

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JULY 14 1956

*A place
in the
sun*

• with the knowledge that should sunburn, prickly heat, or insect bites and stings spoil the pleasure, then prompt, soothing and cooling relief may be obtained with 'Anthical' Lotion

• Supplied in containers of 4 fl. oz. (containing 2 per cent mepyramine maleate)
... retail price 3s. 6d.* plus 8½d. purchase tax
Bonus terms of 13 to the dozen are available through wholesalers from 1st May until 28th September.

*subject to usual trade discount.

'ANTHICAL'
'trade mark' brand
MEPYRAMINE MALLATE/ZINC OXIDE
LOTION

MANUFACTURED BY:
MAY & BAKER LTD



SMITH
of
EDINBURGH

CASCARA

Official preparations of Cascara Sagrada including Dry Extract B.P., granular, for tableting.

ESERINE

Alkaloid, Salicylate and Sulphate available from stock, in various packs including 1 grain tubes.

HYOSCINE

Offered for prompt or forward delivery as Alkaloid, Hydrobromide and Methylbromide.

OPIUM

Powdered Opium, Extracts of Opium, Tincture of Opium, and other opium galenicals.

RESINS

Jalap, Podophyllum and Scammony in lump or powder, for prompt delivery.



T. & H. SMITH LTD., BLANDFIELD CHEMICAL WORKS, EDINBURGH II



SIMON ELWES, son of a Knight of Malta and himself created Knight of Honour and Devotion of the Sovereign Military Order of Malta in 1929, is one of the most celebrated portrait painters in this country. Educated at The Oratory, he studied at the Slade School and in Paris. First exhibited at the Royal Academy in 1927. In 1953 he became Vice-President of the Royal Society of Portrait Painters. During the last war he served in the 10th Royal Hussars. As a recreation after painting portraits he paints landscapes! Here he is in his St. John's Wood studio.

"My Daily Mail" by SIMON ELWES

"BUYING a paper is rather like meeting someone on a ship—you want company and you choose that face rather than another. Then you hear something that you like, said in the way you like—you may not agree but you've made a friend.

I was won from a sister paper, or more accurately a neighbour paper, to become an interested and constant reader of the Daily Mail by something I saw that I liked and which I continue to like.

As an Englishman I enjoy being talked to 'as we

speak in the street', if I may borrow Chesterton's phrase, and I want to learn about my country, my fellow islanders and the rest of the world that way.

As an artist I delight in Trog and in wonder I learn from my sons that he is a glittering figure in one of the most distinguished dance bands of today. I lift my hat to a very gifted man and also to his fellow, Alex Raymond, who is an extremely able and entertaining draughtsman—but I'm very worried about Honey!

And a big bow to Don Iddon. I know my America well and his column is a necessity."

AMINOPHYLLINE
ASPIRIN
BROMIDES
BEECHWOOD CREOSOTE
BENZOATES
BARBITURATES
LITHIUM CARBONATE
P.A.S. 'RHODIA'

SPOT DELIVERY & ON CONTRACT

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R. W. GREEFF & CO., LTD.

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Telex 2-2590

and at

THE ROYAL EXCHANGE, MANCHESTER
Blackfriars 9407-8 Wires: Greeff, Manchester

LANCÔME

announce two new colours

ROSE BLEU

(Rose Blue)

The Pale Blue-Pink Lipstick with the white light in it!

ROSE BLEU gives mystery and fascination to every movement of the lips.

Undoubtedly, it is the spark of genius amongst the talented range of Lancôme Lipsticks.

Rose Bleu is unique

ROSE BLANC

(Rose White)

ROSE BLANC—the heart of a pink rose floodlit by white moonlight.

ROSE BLANC is the reigning snow pink princess amongst the Lancôme pinks.

Refills, nail varnish (plain) and cream rouge to match both lipsticks.

ROSE BLEU

ROSE BLANC

The two latest Lancôme triumphs

LANCÔME

14 Grosvenor Street, London, W.1.

Telephone: MAYfair 3971

Profit from Johnson & Johnson products



JOHNSON'S BABY PRODUCTS

have held pride of place for more than three generations in every home where there are small children. And now Johnson's Baby Shampoo has been added to the range—the shampoo you can safely recommend to your customers. IT DOESN'T STING THE EYES.

The name of Johnson and Johnson means a great deal to the consumer, and to the retailer as well. To your customers, it is a guarantee of quality for a wide variety of items for personal and medical use. That means *customer confidence*—which is your assurance of a continuous income, right through the year, from a range of products in daily household use.

BAND-AID FIRST-AID DRESSINGS

'Aerated' for Quicker Healing!

BAND-AID Aerated First-Aid Dressings have won the complete approval of retail chemist and public alike. Now—at the height of the buying season for first-aid dressings—the heaviest weight of summer advertising is being employed to create and maintain consumer demand. In tins containing all the most popular sorts and sizes, and more pieces for the money. Plastic or Elastic. 9d & 1/6



TEK TOOTHBRUSHES

The first short-head toothbrush. The first to be individually packed in dust-proof containers. In nylon or bristle, the finest toothbrush there is. Beautifully styled. Completely efficient. The TEK Junior Toothbrush for children is perfectly shaped for small mouths and hands.



Johnson & Johnson

The World's Most Trusted Name in Surgical Dressings

JOHNSON'S BABY PRODUCTS • 'MODESS' PERSONAL PRODUCTS • HANDKERCHIEF TISSUES

'ELASTIKON' ELASTIC ADHESIVE PLASTERS AND BANDAGES • 'ZO' AND 'ZONAS' SPOOL PLASTERS • POROUS ADHESIVE BANDAGES

COTTON WOOL • FIRST-AID KITS • 'KY' STERILIZED LUBRICATING JELLY • HOSPITAL AND DENTAL PRODUCTS

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GLAXO LABORATORIES LTD.,
GREENFORD, MIDDLESEX, ENGLAND
BYRon 3434

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TABLETS FOR PERIOD PAINS

... Important Announcement

CHANGE OF PACK

As from the beginning of August, the old style will be replaced with an entirely new Pack. This consists of "Seal-tite" strips in an attractive wallet which will retail at 1/11d. each. Trade price 12/8d. per dozen.

CHANGE OF PRICE

The *retail* price of the present bottle pack will be increased to 1/11d. on the 9th July, 1956, but the trade will have the opportunity of purchasing at the old price of 11/8d. per dozen until stocks are exhausted. Chemists will be enabled to clear old stocks before the new pack is introduced to the public and also secure an additional profit of 2d. on each sale.

LARGE SCALE NATIONAL ADVERTISING

Commences on September 15th, but as a special introductory stock offer, all orders will be invoiced at 11/8d. per dozen until September 29th.

Chemists who stock up during the six weeks period will obtain this substantial increase in profits and be ready for a greatly increased demand.

Southon Laboratories Limited,
88 Upper Richmond Road, Putney, S.W.15.



GELUSIL *antacid-adsorbent*

**Well-formulated for relief—
well *planned* for the market**

THERE ARE TWO REASONS why Gelusil is such a well-known and steady seller in the indigestion market.

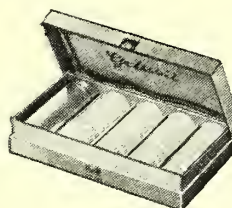
FIRSTLY, there's a steady flow of doctors' scripts for Gelusil. They prescribe it for peptic ulcer, knowing it to be a safe, effective, non-constipating antacid-adsorbent. And doctors' recommendations bring sales from sufferers from less serious gastric upsets, too.

SECONDLY, the demand for Gelusil is increasing daily due to regular detailing to doctors, dentists, and nurses and to interesting and effective mailings. There are six Gelusil packs, each carefully planned to fit neatly into a sector of the antacid market:—

For intermittent sufferers from "heartburn" or indigestion, there's the handy 20 tablet pack, attractively priced at 2/4d. (incl. P.T.).



More regular customers will prefer this 4/8d. (incl. P.T.) 50 tablet pack, containing a handy "carry-around" tube.



People who prefer Gelusil in suspension form will welcome the 6 oz. bottle at 4/11d. (incl. P.T.).



NEW

DISPENSING PACKS

Gelusil is also available in dispensing packs of 250 and 500 tablets supplied at list price 9/- each and 15/- each (no P.T.).

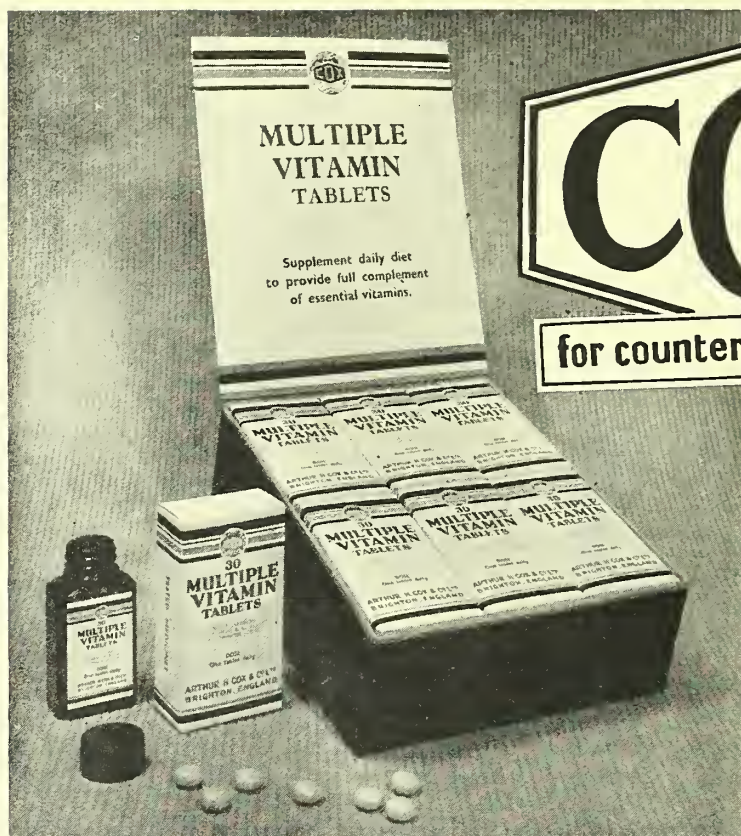
NEW Gelusil suspension is now supplied, for dispensing purposes only, in a new 24 oz. pack, list price 9/- each (no P.T.). The 6 oz. dispensing pack will be discontinued, although the 6 oz. retail pack will still be available.

You would be well advised to keep well stocked with

GELUSIL



WILLIAM R. WARNER & CO. LTD., Power Road, London, W.4.



COX

for counter sales that keep custom

Available in 10 attractive packaging styles.

Ask our representative, or write direct, for a copy of the new show-card specially designed to support this excellent all-the-year-round selling line.

ARTHUR H. COX & CO. LTD.
Manufacturing Chemists since 1839
BRIGHTON · ENGLAND

SPECIAL WRAPPING PAPER OFFER

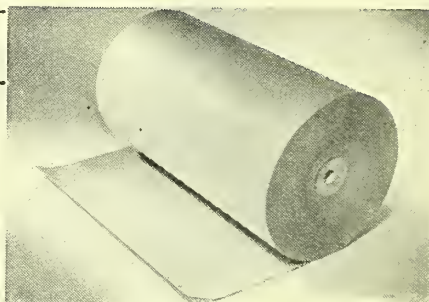
**5%
DISCOUNT**

On quantity orders for Counter Rolls, Sheet Wrapping Paper, and Dispensing Parchment, you can obtain the following discounts under our special offer:

5% on FIVE COUNTER ROLLS
Swedish pure kraft or sulphite: any size or sizes.

5% on FIVE REAMS of WRAPPING PAPER
(sheets, 20" x 30"), or ten reams (15" x 20"); kraft or coloured sulphite.

5% on DISPENSING PARCHMENT —£6 order
These are papers of the best quality, and representative of our extensive selection for the pharmacy:



GREEN STRIPES ARE POPULAR!

To our wide range of printed counter satchels has been added a new green-striped series in four sizes—a very popular line, competitive in price. Your own name can be printed at small extra cost on three of the sizes. Samples and details on request.

FOR THE HOLIDAY SEASON

—the attractive No. 3 Certor Counter Satchel in photo-gravure (5" x 7" x 9½").

● If it's paper or made with paper you can get it from
**MACDONALD'S
of MANCHESTER**

NOTE NEW ADDRESS

MACDONALD & SON LTD · PORTLAND MILL · ASHTON-UNDER-LYNE · LANCs.

Telephone: Ashton-under-Lyne 4422 (10 lines)

Symptomatic relief in hay fever, allergic rhinitis

In hay fever and allergic rhinitis NEOPHRYN WITH ANTIHISTAMINE nasal spray gives rapid and sustained symptomatic relief. Nasal congestion, sneezing and local irritation are reduced, without unpleasant by-effects.

Available in a plastic atomiser, retail price 4/-.



NEOPHRYN

Trade Mark

WITH ANTIHISTAMINE

Neophryn is also available without antihistamine, for simple decongestion. It is supplied as a spray, or as drops.

BAYER

PRODUCTS LIMITED

NEVILLE HOUSE, KINGSTON-ON-THAMES, SURREY
Export enquiries to: WINTHROP PRODUCTS LIMITED.

IMPORTANT NEWS!

new **PREDICTABLE** **oral therapy for** **hypertension**

'INVERSINE' is a new and distinctive autonomic ganglionic blocking agent. It is a secondary amine, *not* a quaternary ammonium compound, and is 90 times more active than hexamethonium. When given orally absorption approaches 100%

ADVANTAGES: Reproducible clinical response · Small dosage · Minimal fluctuation of blood pressure · Gradual onset and long duration of action · Effective in cases resistant to hexamethonium

'Inversine'

ORAL TABLETS

(Mecamylamine Hydrochloride)

Oral convenience with
parenteral reliability

'INVERSINE' (Mecamylamine Hydrochloride) 10 mg. quarter-scored tablets are supplied in bottles of 100, list price 60/-

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS

'Inversine' is a Regd. Trade Mark

antipeol *products of proved efficiency*



Their success is due to the incorporation into a proved healing ointment base, of the anti-virus filtrates of the microbes common to most cutaneous, naso-pharyngeal and ocular complaints.

● **Indications :**

Immediate efficacy in the treatment of BURNS and SCALDS. Invariably averts surgical intervention in the case of BOILS, whilst ABSCESSES, ECZEMA, CARBUNCLES, VARICOSE ULCERS, HAEMORRHOIDS and certain types of DERMATITIS are equally responsive.

● **Indications :**

ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

● **Indications :**

BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.

AMONG the Medical and Nursing Profession and The First Aid Associations, the ANTIPEOL preparations enjoy a continued and growing popularity. ANTIPEOL Cutaneous Vaccine OINTMENT and its associated products RHINO-ANTIPEOL and OPHTHALMO-ANTIPEOL are highly regarded as **simple but effective** remedies against even the more virulent forms of skin, nose and eye infections. Wise chemists have been, and are still participating, in the steady sales increases over the years.

ANTIPEOL
CUTANEOUS OINTMENT

RHINO-ANTIPEOL
PROPHYLACTIC NASAL CREAM

OPHTHALMO-ANTIPEOL
THERAPEUTIC OPHTHALMIC OINTMENT

**MEDICO-BIOLOGICAL
LABORATORIES LTD.**

CARGREEN ROAD, SOUTH NORWOOD
LONDON

S.E.25



Revlon

move to larger premises

As from 2nd July, 1956, the new premises
of Revlon International Corporation will be at

86 BROOK STREET, LONDON, W.1

Telephone: Grosvenor 4971



12 BOXES OF SUPPOSITORIES SENT

POST FREE!

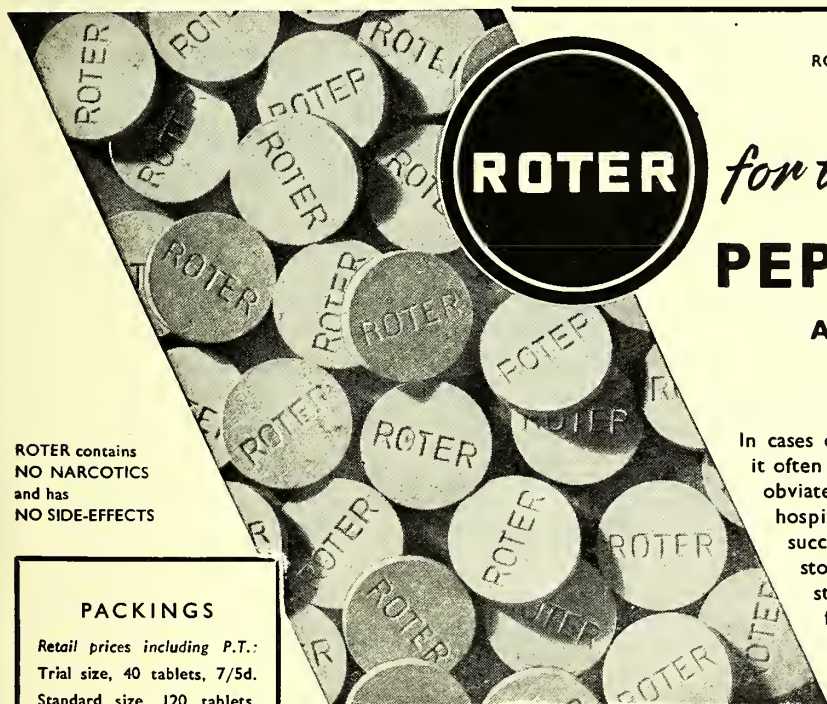
to your address and charged through YOUR USUAL WHOLESALER

E.G. 6 Boxes of Suppos. Bism. Subgall. 6 Boxes of Suppos. Bism. Subgall. Co.

Manufactured and Packed in the Laboratories of:

RICHARD DANIEL & SON LTD.

MANFIELD ROAD, DERBY Tel. 48266 (4 lines) and at GROSVENOR STREET, ASHTON-U-LYNE Tel. 2816 (3 lines).



ROTER TABLETS ARE PRESCRIBED
THE WORLD OVER

for the treatment of
PEPTIC ULCER
AND OTHER FORMS
OF DYSPEPSIA

ROTER contains
NO NARCOTICS
and has
NO SIDE-EFFECTS

PACKINGS

Retail prices including P.T.:
Trial size, 40 tablets, 7/5d.
Standard size, 120 tablets,
21/3d. Full treatment size,
640 tablets, 106/6d. Dispensing packs, 720 tablets, P.T. exempt.

In cases of chronic gastric and duodenal ulcer, it often happens that a course of Roter tablets obviates the need for surgical measures or hospitalisation. Roter therapy can also be successfully applied to gastritis and minor stomach disorders. Roter tablets are constantly advertised to the medical profession, and prescribing is rapidly increasing. Supplies are obtainable from your usual wholesaler.

F.A.I.R. LABORATORIES LIMITED
179 HEATH ROAD, TWICKENHAM, MIDDLESEX

Telephone: POPesgrove 2028

NEW

IMPROVED FORMULA ●

NEW PACK ●

CONTEMPORARY DESIGN ●



Beach

SUNTAN

SOLD THROUGH CHEMISTS ONLY

Trade Price 15/- per dozen
Display cartons of 6 tubes
Retail 3/- per Tube (inc. P.T.)

Bonus on direct orders:—
13 to the dozen plus
5% discount on orders for 3 dozen
or 7½% on 6 dozen.

An attractive display card
is now available.



THE BRITISH DRUG HOUSES LTD. LONDON N.1



DE-NOL

For the treatment of stomach ulcers

This unique product is now available on the British market, and can be obtained from the Distributors for the United Kingdom at the addresses given below. In view of the remarkable success in many parts of the world of the DE-NOL method in the treatment of ulcerative conditions of the stomach, it is anticipated that the product will enjoy an extensive sale in the United Kingdom.

The Retail Price of the DE-NOL treatment is £14·2·3 (incl. tax).

YOU CAN SELL DE-NOL WITH CONFIDENCE

Terms and literature on request :

PEPTINOL (G.B.) LTD., 80 Elswick Road, Newcastle upon Tyne 4

Telephone: Newcastle 34350

Tel. Add: "DE-NOL, NEWCASTLE UPON TYNE"

UNITED KINGDOM AGENTS

London and Home Counties:
Peptinol (G.B.) Limited,
9 Christopher Street, Finsbury
Square, LONDON, E.C.2.

N.E. England and Midlands:
Peptinol (G.B.) Limited,
80 Elswick Road,
NEWCASTLE UPON TYNE, 4:

S.W. England and S. Wales:
S. J. Carter (Import, Export) Ltd.,
2 Vicarage Road, Torquay,
DEVON.

Scotland:
A. H. G. Barrowman,
24 Guildhall Street,
DUNFERMLINE.

N.W. England and N. Wales:
D. Machell (Wholesale) Ltd.,
276 Claremont Road, Moss Side,
MANCHESTER, 14.

Northern Ireland:
Wm. C. Knox,
35 May Street,
BELFAST.

for children of this age...



Physicians and mothers agree that children need a scientifically balanced vitamin supplement. There is no problem of regular daily dosage with VI-DAYLIN, for children love the delicious flavour of this honey-coloured syrup. It can be given direct from the spoon, or added to milk or juices; it has no objectionable odour, will not stain clothes and is stable at room temperature.

Vi-Daylin is available in 90 cc. bottles.

Each 5 cc. of
Vi-Daylin contains
Vitamin A . . . 3,000 i.u.
Vitamin D
(Vioosterol), B.P. 800 i.u.
Aneurine
Hydrochloride B.P. 1.5 mg.
Riboflavine, B.P. . . . 1.2 mg.
Ascorbic Acid, B.P. . . 40 mg.
Nicotinamide, B.P. . 10 mg.
Pyridoxine
Hydrochloride . . . 0.5 mg.

...many doctors prescribe

VI-DAYLIN

TRADE MARK

Homogenized Mixture of Vitamins A, D
B₁, B₂, B₆, C and Nicotinamide, Abbott

ABBOTT LABORATORIES LIMITED, PERIVALE, GREENFORD, MIDDLESEX

IN MILLIONS OF ADVERTISEMENTS EVERY MONTH

Raymond
HIMSELF

will be selling **YOUR** stocks of
his famous glamorous



A REAL CREAM SHAMPOO IN
DEHYDRATED GRANULATED POWDER FORM

IN PACKS THAT ILLUSTRATE RAYMOND'S
GALAXY OF LATEST HAIR-STYLES ON A VARIETY OF MODELS

GIVING A LUSTROUS GLAMOUR OF
INCOMPARABLE HAIR BRILLIANCE

ORDER NOW

AT ADVANTAGEOUS TERMS

AND BE SURE OF MEETING THE TERRIFIC DEMAND

WARNER HARVEY & CO. LTD.

28b ALBEMARLE STREET, LONDON, W.1.

• **And don't forget.** Check at the same time your stock of
CREAM SHAMPOO for normal and dry hair. 9d. in satchel and in
tubes 1/6, 2/5, 3/9.



WOMAN
WOMAN'S OWN
DAILY SKETCH
DAILY MIRROR
WOMAN'S
SUNDAY MIRROR
HOME CHAT
LUCKY STAR
GROUP
WOMAN'S
ILLUSTRATED
SUNDAY
PICTORIAL
WOMAN'S WEEKLY

Stafford Allen & Sons

Essential Oils

ENGLISH DISTILLED

SANDALWOOD • LAVENDER • CORIANDER

UTMEG • CLOVE • CARDAMOM • ORRIS • PEPPERMINT

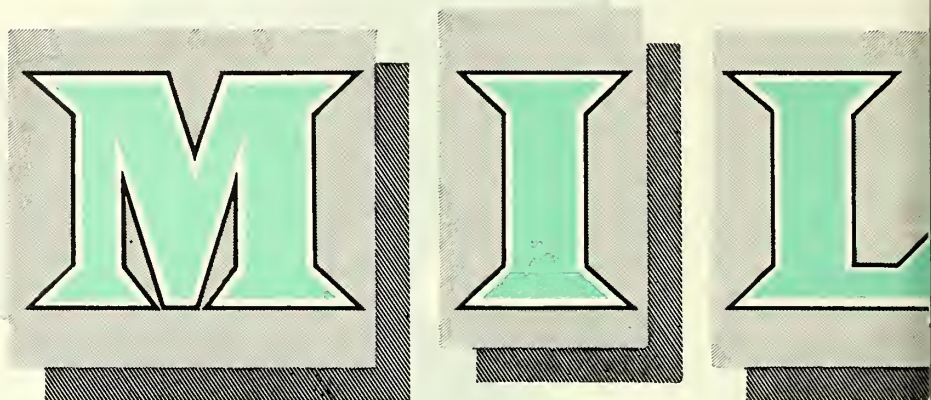
CASCARILLA • OPOPONAX • CHAMOMILE

growing on our Long Melford farms



STAFFORD ALLEN & SONS LTD., Wharf Road, London, N.1 CL Erkenwell 1000 TAS/AL 455

Lederle proudly



New, Safe, Powerful Tranquillizer .

With these important advantages

Selective action in anxiety and tension states

Valuable sedative, hypnotic and muscle-relaxing properties

Absence of toxicity . . . negligible side effects

Relaxes the patient for natural sleep without narcosis

Muscle relaxant in muscle spasm, pain and stiffness

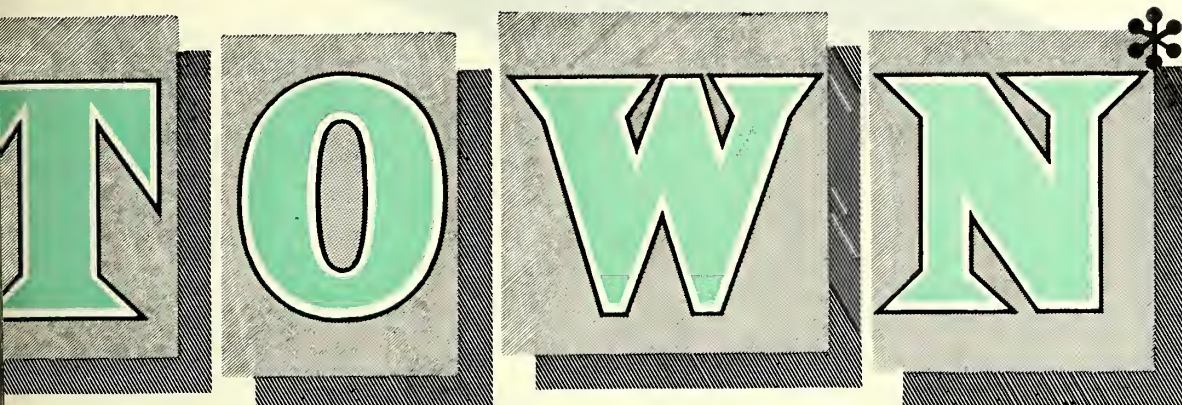
Has no specific effect on blood pressure

No influence on autonomic regulatory mechanisms



LEDERLE LABORATORIES DIVISION

resents



MEPROBAMATE

far-reaching value in medical practice

Laboratory and clinical trials show MILTOWN to be the most remarkable tranquillizing drug yet discovered. Published reports on its initial success have been followed by its widespread adoption by doctors throughout America for restoring tranquillity in tension states, anxiety, stress and allied conditions. MILTOWN is now made available in Great Britain by Lederle.

Its value in the above conditions is due to an easing of the patient's anxiety tension, a lowering of irritability and its pronounced muscle relaxant action. It calms the patient for natural sleep. It has given a high proportion of good results in terms of relief of symptoms and a return to social productivity. It has proved effective in patients who have failed to respond to barbiturates and other conventional tranquillizers.

MILTOWN is fully active by mouth, shows a significant absence of toxicity and almost complete freedom from side effects. Among the conditions in which it has given good results are: Tension states, acute and chronic anxiety states, menstrual stress, tension headache, alcoholism, behaviour problems in children, hysteria and depression. In neuropsychiatric cases it has restored or improved patients who were delusioned, assaultive, noisy, disoriented and hallucinated.

MILTOWN

(2 methyl-2-n-propyl-1, 3 propanediol dicarbamate) is supplied in tablets of 400 m.g. for oral use. Bottles of 50.

*TRADE MARK

Cyanamid PRODUCTS LTD.

LONDON, W.C.2



*She may only be wanting
a mixing bowl...*

...BUT LOOK WHAT YOU CAN SELL HER!



There's a big market for houseware

made from **'ALKATHENE'**

THE I.C.I. BRAND OF POLYTHENE

YOU CAN SELL any amount of goods made from 'Alkathene' — THE original polythene discovered by I.C.I. It is so light, so bright and colourful... and virtually unbreakable! 'Alkathene' never rusts, dents or chips — never chips valuable china or glass either! It lasts for ages, stands up to the roughest handling.

'Alkathene' houseware is receiving a lot of publicity in national women's magazines. All these advertisements

will feature the 'Alkathene' label, and this will ensure that the housewife will ask for 'Alkathene'. The full weight of all this advertising is behind your sales drive. Striking and attractive display material may be obtained on request from your normal suppliers. Why not organize your own 'Alkathene' Week with special window and interior displays? That is the way to gain customers and profit from the 'Alkathene' National Campaign!

'Alkathene' is the registered trade mark for the polythene made by I.C.I.



LOOK FOR THIS LABEL

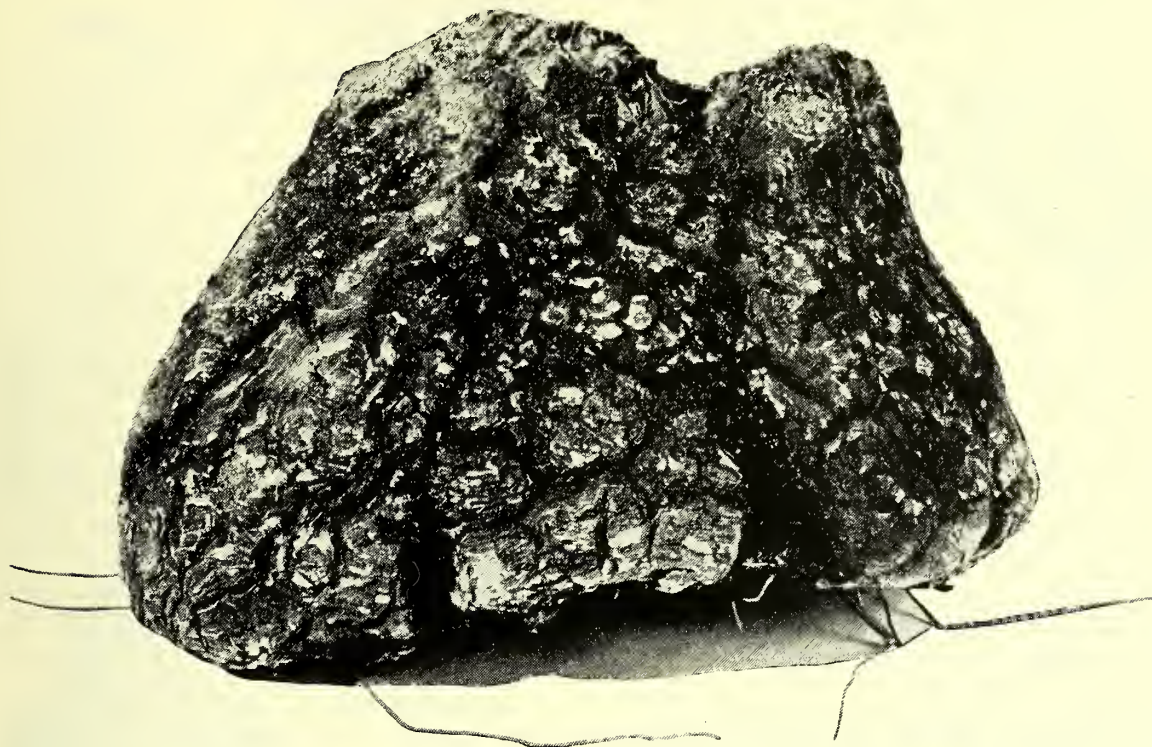
Articles bearing this label are made from 'Alkathene', the sign of the highest quality.

IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.1



AH.9/T

From Elephant's Foot



...to CORTISONE

an all-British achievement by **BOOTS**

"Elephant's Foot" is the name given to a South African root, the all-important source of Diosgenin. This is the basic material used for the synthesis of Boots Cortisone and its derivatives.

Thanks to this oddly-named root, Boots are assured of a plentiful supply of the raw material for an all-British Cortisone from non-dollar sources.

BOOTS CORTICOID PREPARATIONS

CORTISTAB

(Cortisone Acetate)

TABLETS • INJECTION • EYE DROPS • EYE OINTMENT

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(Hydrocortisone)

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(Prednisolone-Delta-1-hydrocortisone)

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Build up Goodwill with . . .

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THE BIOCHEMIC TABLET

Many Chemists are recommending 'ELASTO' to their customers with mutually good results.

PATA

NEW ERA LABORATORIES LTD.
Cecil House, Holborn Viaduct, London

You must sell this
6^d
sachet!

The big demand for Shandruff, the enemy of dandruff, is growing every week—it is a lovely shampoo which does what is claimed for it and is the **only 6d. sachet** of its type now on the market. **Don't leave it any longer.**



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THIS WIDE RANGE OF
HIGH QUALITY COVERED
HOT WATER BOTTLES

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Covered in Quilted Satin Pastel Colours: Beige, Pink, Blue, Gold, Green, or Lavender. Each wrapped in Cellophane envelope. 36 per carton, 6 of each colour.



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Covered in Embroidered Quilted Velveteen. Colours: Crimson, Gold, Green, or Blue. Each packed in Gold presentation Box. Fully guaranteed. 24 per carton, 6 of each colour.

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'Velveteen'

Covered in Printed Velveteen. Base colours: Gold, Green, Blue, Crimson. Each wrapped in Cellophane envelope. 36 per carton, 9 of each colour.

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Manufactured by

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by FURMAN
Grand Awards
London, Paris, Brussels



SPRAYING HAIR LACQUER

In the new super spray. This fine, fast-selling product is an article you can recommend with confidence.

Price 20/- per dozen. P.T. 18/- per dozen. Retail 4/3d.
REFILL Sachet 13/- per dozen. P.T. 11/8d. per doz. Retail 2/8d

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The ultra light, high gloss, vitaminized oil. So helpful to all drier types of hair.

Price 17/6d. per dozen. P.T. 15/9d. per dozen. Retail 3/9d.

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In 6 lovely shades. Just brushes on.
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Which give the effect of diamonds in the hair. In 6 shades.
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LION 8 (15 denier, small mesh)
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Makers of Quality Hair Nets since 1905

Summertime is selling time for **RADIAN- β**

When summer sports mean aching muscles

More and more, people are turning to Radian-B for swift relief of muscular pain after games, gardening and swimming. It is in your interest to display Radian-B prominently now! Radian-B is backed by *year-round* publicity in national newspapers and women's magazines: also in a long list of provincial newspapers and sporting journals.

Attractive display material—small Crowners or 10 $\frac{1}{4}$ " x 7" Showcards—available free on request.

There is a display bonus of 5%

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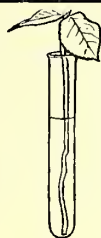


**Write or
phone**

Radiol
CHEMICALS LIMITED

**78 Upper Richmond Rd.,
LONDON, S.W.15**

Telephone: VANdyke 1642 and 2692



Mounting Sales of Tokalon beauty products



The demand for Tokalon has begun to increase. The first half of the summer advertising campaign is beginning to show results. More and more people are asking for Tokalon. Some of them are new customers and others, old customers who just needed reminding.

Tokalon Rose Skinfood, with biocel, is becoming one of our most popular products. We claim that biocel tightens flabby, sagging skins; smooths rough, muddy complexions and helps wrinkles flatten and fade. Letters from customers testify to these claims. Your customers will doubtless express similar views. So do keep stocks of Tokalon Beauty Products, particularly Tokalon Rose Skinfood with biocel. You will need them.

Distributors in the U.K.

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3 & 4 LITTLE RUSSELL STREET, LONDON, W.C.1

FREE!

**Only a Doctor or M.P.S.
may prescribe
a headache remedy
more powerful than 'Aspro'**

POWER, SPEED, SAFETY — 'ASPRO'S' UNIQUE COMBINATION

A wise law

Go wherever you wish—you'll find you cannot buy a headache remedy more powerful than 'Aspro'—unless you have a medical prescription, or even the Registrar. That is the law of the land. And it is a very wise law. Headache remedies for which a prescription is essential can be taken only under the direction of a qualified man, because they could be harmful if sold freely.

**'Aspro' does not harm the heart—
not habit-forming—will not over stimulate—
has no depressing effects**

'Aspro' is as powerful and fast-working a headache remedy as you are likely to need. Above all it is safe—so safe that even children may take it in the correct dose.

**Power to start taking away pain
in 2 seconds**

Three 'Aspro' tablets contain the maximum strength recommended dose of the most famous pain relieving medicine known to Medical Science. And 'Aspro' only takes a quick action agent to start this concentrated medicine into action in just two seconds.

In just two seconds 'Aspro' breaks up and starts to go to work in your body. Very soon Aches and pains go, leaving you relaxed and ready to enjoy life again.

**SOUND MEDICAL ADVICE
Don't mix your medicines**

If your headache or pain is "too bad even for 'Aspro'" don't risk your health doing yourself. Such a bad headache may need a doctor's attention. So go and see your doctor. And remember, only a qualified man can prescribe a remedy more powerful than 'Aspro'.

A medical necessity — air-tight packaging

Examine your packet or tape of 'Aspro' carefully. See how each tablet is separately sealed in its own air-tight tape. Even in the large Family Pack, each tablet is separately sealed in this way. And with good reason.

In some cases, if headache remedies are allowed to absorb moisture, they eventually undergo a change which renders them ineffective. This danger is completely avoided by 'Aspro's' method of keeping each tablet separately sealed against outside moisture.

'Aspro's' special air-tight tape keeps each tablet pure and at full strength until the moment you take it.

Power, speed, safety, lasting effectiveness. That is what everyone needs in a headache remedy.

That's why more 'Aspro' is taken for headaches than any other headed remedy.



POWERFUL 'ASPRO' STOPS YOUR HEADACHES FAST AND SAFELY

**This power-packed 'Aspro' advertisement
can bring new customers into YOUR shop!**

**Send for FREE art pull
today to make an eye-catching
window display.**

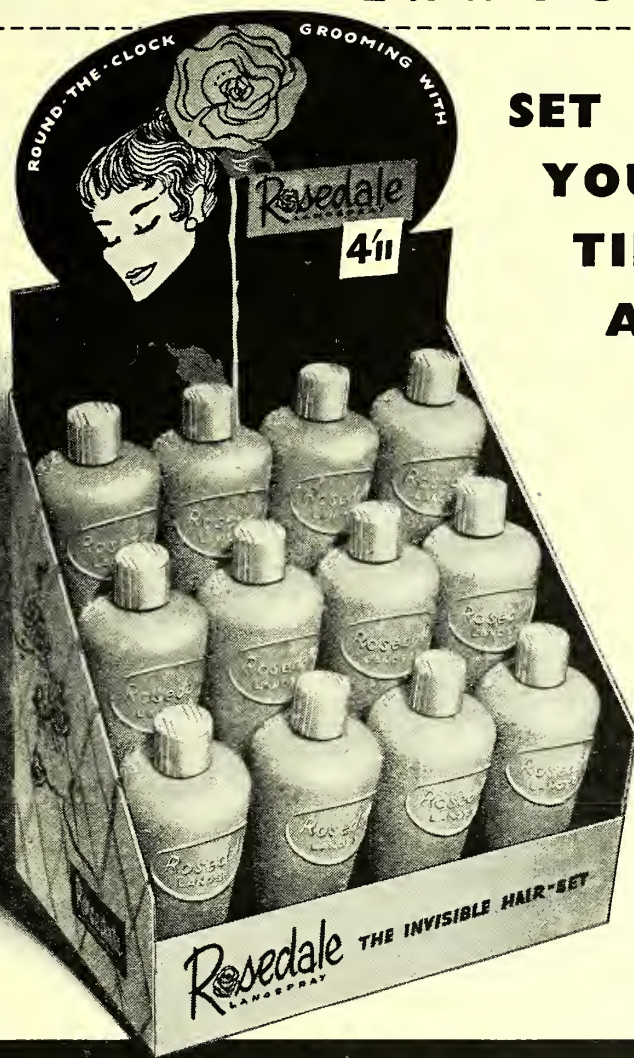
Big, bold advertisements like this half page packed with *real selling power* have appeared in the

DAILY EXPRESS

and other leading national newspapers. Already, more than tens of millions of readers have seen this advertisement. *This 'Aspro' advertising is powerful stuff! It will push up YOUR sales!* So order fresh stocks today from your wholesaler—and simply write to **Advertising Dept. Aspro-Nicholas Ltd., Slough, Bucks** for a *free* copy of this half page advertisement.

NEW Rosedale

LANOSPRAY



**SET
YOUR
TILLS
AJINGLE**



Self Spray bottle



Wholesale—22/- per dozen + purchase tax



Retails at 4/11 per bottle showing 30% profit



**Spray bar sells Rosedale for you—
Handy Self Service Dispenser**



National advertising commences this Autumn

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CARNEGIES

Manufacturers of Fine Chemicals



ADRENALINE Base and Bitartrate	IODIDES
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MONOSEMICARBAZONE	ISOPRENALINE SULPHATE
ALOIN	LITHIUM SALTS
ALUMINIUM GLYCINATE	DL METHIONINE
ALUMINIUM HYDROXIDE	METHOIN
(Dried Gel)	NOR-ADRENALINE
AMINOPHYLLINE	P.A.S. SODIUM AND ACID
ATROPINE AND SALTS	PHENAZONE SALICYLATE
BISMUTH SALTS	PILOCARPINE AND SALTS
BRUCINE AND SALTS	PIPERAZINE AND SALTS
CAFFEINE AND SALTS	PODOPHYLLIN RESIN
CITRATES	RESERPINE (ALKALOID OF
DITHRANOL (in lieu of Chrysarobin)	RAUWOLFIA SERPENTINA)
EMETINE HYDROCHLORIDE	SALICYLATES
EPHEDRINE AND SALTS	SANTONIN
ESERINE AND SALTS	STRYCHNINE AND SALTS
FERROUS SUCCINATE	SULPHA DRUGS
HOMATROPINE AND SALTS	THEOBROMINE AND SALTS
HORMONES	THEOPHYLLINE AND SALTS
HYOSCINE AND SALTS	VITAMINS

QUININE and SALTS

QUINIDINE and SALTS

CINCHONA FEBRIFUGE TOTAQUINA

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CARNEGIES OF WELWYN LTD

Cables : 'CARNEGIES, WELWYN GARDEN CITY TELEX.'

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(10 lines)

Telex : LONDON 8676

After the tremendous success of Smoke

—the true-grey colour rinse for grey, greying or white hair

Edwards Harlene Ltd. present



DEEP BRUNETTE

For Dark to Medium Brown hair that is going grey but is still mainly its original colour.



VELVET BROWN

for Light to Medium Brown hair that is going grey but is still mainly its original colour.

Retail price 5/6 per bottle

There's Glamour in Grey!

SMOKE colour rinses are unique—easy and safe to use. They are *not* dyes and can be shampooed from the hair at any time. They are now the perfect answer to greying or grey hair.



ORDER NOW (from your usual wholesaler)

Be ready to meet the demand that will be created by National Magazine Advertising and also by weekly competition programmes on Radio Luxembourg commencing Tuesday, July 3rd at 9.45 p.m.

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REVISED PRICES for Diuromil & Ralgex

OPERATIVE AS FROM JULY 14th 1956

	CHEMISTS PRICE per doz.	PURCHASE TAX per doz.	PRICES TO CONSUMER per unit
DIUROMIL	Standard Size	£2 2s. 9d.	12s. 10d.
	Large Size	£4 14s. 6d.	£1 8s. 4½d.
RALGEX		10s. 1½d.	4s. 7½d.

For nearly 20 years we have held our prices stable in the face of continually rising costs on all sides, by improved production methods and increasing turnover. The latest increases in costs have produced a position where a very reasonable increase in the prices of DIUROMIL and RALGEX can no longer be avoided.

PHARMAX LTD. · GRAVEL HILL · BEXLEYHEATH · KENT

This all-purpose Shampoo brings you more business

Price: 18/4 per dozen to retail at 2/9 from all wholesalers. Attractive counter display material available. Send for FREE Trial Sample.

As one year hands over to another
the sales of that very popular bottle
containing Gill's — the original — Dandruff



Remover Shampoo go up and up and up.
father uses it mother uses it. So do
the children and the family's friends



And chemists themselves are discovering
that more and more money can be made
from this famous bottle.

Gill's

DANDRUFF REMOVER *Shampoo*



ON SALE IN 12 EUROPEAN COUNTRIES
BEAUTISALES LTD., 35 Old Bond Street, London, W.1. Telephone: HYDe Park 2565
Eire Agents: Mur-ra Ltd., 132 St. Stephen's Green, Dublin.

E. Illingworth & Co. (Bradford) Ltd.

Cotton Wools

B.P.C. QUALITY COTTON WOOLS
HOSPITAL QUALITY COTTON WOOL
(Drug Tariff)

Sterilised and Unsterilised in all weights, for
Home and Export.

Quantities labelled with
your own labels.

*COTTON WOOL DISPENSER
(Pleated filling. Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS
WOOL AND COTTON TISSUE B.P.C. Quality
RESPIRATOR REFILLS
KNITTED BANDAGES

Packing Materials

NEEDLELOOM FELTS

for thermal, sound and vibration insulation
and protection.

Cotton Wools

Bleached and Unbleached Rolls from
2 in. to 40 in. wide, weights 3 oz. per
sq. yd. upwards.

**Only as much as is
needed is pulled out
at a time!*

Illmond Cotton Wool Dispenser Pack

Package has tuck-in
ends and can be re-
sealed. Hygiene en-
sured. Elegant design
of pack makes it
perfect for a lady's
dressing table.

E. ILLINGWORTH & CO. (BRADFORD) LTD.

Shelf Mills, Shelf, Halifax

Tel: Low Moor 400/4

Grams: "Illmond" Bradford



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 166

July 14, 1956

No. 3986

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ANNUAL SUBSCRIPTION, which includes The Chemist
and Druggist Diary and Year Book, £2. Single copies
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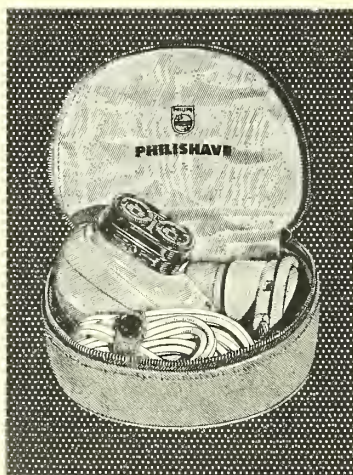
*Since running a free trial scheme
I've doubled my*

PHILISHAVE

sales

That's true — run a Free Trial Scheme and your sales go soaring! Reports from our dealers throughout the country prove conclusively that, almost without exception, a 'Philishave' Free Trial leads to a sale.

Start a 'Philishave' Free Trial Scheme yourself. We'll provide showcards, letters for sending to prospects, and agreement forms — plus a free sterilisation and making as new for stock service for those few shavers returned unsold after trial. Though, as we've found from experience, that very rarely happens!



**JUST COMPLETE THIS COUPON
AND SEND IT OFF TODAY!**

**TO: PHILIPS ELECTRICAL LIMITED • ELECTRICAL APPLIANCES DIVISION
CENTURY HOUSE • SHAFTESBURY AVENUE • LONDON • WC2.**

I am interested in operating a 'Philishave' Free Trial scheme. Please send me full information and details of the available free material.

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C.D.

**WELLCOME INSTITUTE
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(PS667A)

The CHEMIST AND DRUGGIST

Volume 166

JULY 14, 1956

No. 3986

Approved Crop Chemicals NEW AND IMPROVED LIST FOR 1956

THE 1956 list of approved chemicals issued by the Ministry of Agriculture, Fisheries and Food is in a new and improved form.

The changes made in the list, which is compiled under the Crop Protection Products Approval Scheme, should enable users to identify much more easily the chemical that will control the disease, pest or weed threatening a crop. Special features now included in the list are:—(a) An introduction explaining how to use the list; (b) an alphabetical index of pests, diseases and weeds referring to the appropriate paragraph or paragraphs in which the group or groups of chemicals that will give control are listed, together with tables relating to the control of weeds; (c) a code key to the names of manufacturers of proprietary products, and an indication of whether those products are available in small retail packs; (d) details of the precautions necessary when using certain chemicals, with particular reference to those governed by statutory requirements under the Agriculture (Poisonous Substances) Act, 1952. Several new groups of chemicals have been started, including:—Aldrin dusts and sprays, captan products, chlorbenside products, chlorfenson sprays, fenson products, dieldrin sprays, dinoseb products; amine and ammonium salt sprays, MCPA potassium salt sprays, organo-mercury-diieldrin dry seed dressings, organo-mercury lead-arsenate foliage sprays, salicylanilide sprays, schradan sprays, 2,4,5-T ester sprays, BHC-thiram dry seed dressings. Copies of the list are obtainable free of charge from the Ministry of Agriculture, Fisheries and Food, Soho Square, London, W.1.

Statutory Committee

DECISION DEFERRED

THE Statutory Committee of the Pharmaceutical Society, which met in London on July 4, decided to defer until October a decision on an inquiry that commenced on October 5, 1955, and concerned a member of the Society who was stated to have been under the influence of drink or drugs to such an extent as to be unfit to carry out his duties as pharmacist in charge of a business (see *C. & D.*, October 15, 1955, p. 427).

Rating Revaluation

HINT OF "FURTHER DEMONSTRATION"

DURING discussions with a deputation from the National Chamber of Trade on the recent rating revaluations (see *C. & D.*, July 7, p. 1), Mr. Duncan Sandys (Minister of Housing and Local Government) admitted that the deputation "had every reason to feel aggrieved" at the burden on shopkeepers. That is revealed in a circular recently issued by the Chamber, in which it is stated that "emphasis was laid on the incontrovertible fact that . . . shopkeepers are being called upon to provide a greater share of the total rating burden than hitherto. . . ." The circular says that the Chamber's board of management will not hesitate, should the necessity arise, to call for a further demonstration of the nationwide opinion that the present unfair

rating load carried by the shopkeeper must not be allowed to continue.

Doctors' Conference

BRIGHTON ECHO OF HEROIN BAN

THE British Medical Association held its 124th annual representative meeting in Brighton, July 5-9. The meeting approved a resolution which stated: "Following the recent attempt by the Government to ban the prescription of heroin, this meeting affirms as a matter of principle its determination to preserve the right of any individual doctor to prescribe what he thinks is in the interests of his patient." A resolution reaffirming the view that private patients should be allowed to obtain drugs through the National Health Service was carried. DR. R. P. LISTON, Tunbridge Wells, said that the attitude of patients towards the National Health Service was not their fault. The country needed far more education in simple principles of healthy living and on the proper use of the National Health Service, so that the enormous drug bill could be reduced. A resolution deprecating the action of the Minister of Health "in making important medical announcements to the public before informing the medical profession" was carried. The resolution referred to the Ministry's announcement of the poliomyelitis vaccination scheme. The Association's annual exhibition was held in Brighton, July 9-13 (see p. 28).

Amendment to Codex

BANDAGE SPECIFICATIONS CHANGED

THE Council of the Pharmaceutical Society has authorised the publication of the following amendment to the British Pharmaceutical Codex, 1954: P. 909, *Cotton and rubber elastic bandage*:—Delete lines 14-18, and insert: *Cotton and rubber threads*. Consist of



PHARMACISTS' FAMILIES' OUTING: Members of the Sheffield Pharmacy Club photographed with their families and friends during a visit to Newstead Abbey, Notts, on July 1.

one thread, composed of one rubber thread and a single cotton yarn with two single cotton yarns spirally wound round it. The unstretched threads have a finished resultant count, after final spiral folding, not finer than 6's and containing not fewer than 20 turns per inch in the final spirally folded yarn.

Resale Price Maintenance

POSSIBLE EFFECTS OF LEGISLATION

THAT the big manufacturers would continue to maintain prices was asserted by MR. H. G. MOSS (a member of the National Pharmaceutical Union Executive and of the council of the Proprietary Articles Trade Association) when he addressed a meeting of the West Middlesex Branch of the Union on June 12, on "Danger: Is this the end of Resale Price Maintenance?" Mr. Moss explained the circumstances and events leading up to the Restrictive Trade Practices Bill and discussed its possible effects. The trend when the Bill finally became law would depend, he said, on the action of the manufacturers. The Chemists Federation would be permitted to continue, but it would have to be registered and to come before the Tribunal. Replying to a question on the low percentage of profit offered by some manufacturers when launching a new product, Mr. Moss asked members to write in to the new N.P.U. marketing policy committee about any such offers.

Synthetic Detergents

COMMITTEE'S FINAL REPORT

THE final report of the Committee on Synthetic Detergents was published on June 20. Among the Committee's conclusions were the following:—The possibility of long-term effects on health being caused by the drinking of public supply water containing concentrations of surface-active materials (and phosphates), or by the use of crockery, etc., washed with synthetic detergents and not rinsed, should be kept under permanent medical review; manufacturers of household synthetic detergents should investigate the feasibility of producing efficient washing products based on materials which could be readily oxidised or eliminated, and would not cause persistent foaming during sewage treatment by present available methods; and an advisory body including representatives of the sewerage authorities

and manufacturers concerned, and of appropriate government departments, should be set up to advise and facilitate research on all those matters. The majority of the Committee believed that a worsening in the situation, justifying control of the composition of synthetic detergents, was not inconceivable; they drew attention to the lack of any powers for the exercise of such a control, should it prove necessary, and to the question whether such powers should be obtained now and held in readiness, or not until a clear need for their exercise arose. The Committee stated that the widespread use of synthetic detergents had not in practice led to any significant growth in the incidence of dermatitis and was not likely to do so if they were used sensibly. An interim report of the Committee, which was under the chairmanship of Sir Harry Jephcott (chairman, Glaxo Laboratories, Ltd.), was published in 1954 (see *C. & D.*, April 3, 1954, p. 342). The present report is obtainable from H.M. Stationery Office, price 3s.

New British Standard

SAFETY OF ELECTRIC BLANKETS

A REVISED edition of British Standard B.S. 2612 for electric blankets was published on July 2. The most important features of the revision are concerned with strengthening the Standard safety precautions. A new inflammability test has been incorporated. Inflammable materials such as kapok may not be used. Changes have also been made to prevent flame-proofing agents from damaging the electrical components. A further modification is designed to minimise the possibility of the blankets causing radio interference. Copies of the Standard are obtainable from the British Standards Institution, 2 Park Street, London, W.1, price 4s. each.

Retail Sales

BOARD OF TRADE STATISTICS

RECENTLY issued Board of Trade statistics show that sales of chemists' goods by independent retailers were 0.88 per cent. lower in April than in March and 0.88 per cent. higher than in April 1955; in May they were 10.6 per cent. higher than in April and 11.6 per cent. higher than in May 1955. Large retailers' sales were 5.3 per cent. lower in April than in March but 2.1 per cent. higher than in April 1955; in May they

were 7.7 per cent. higher than in April and 12.4 per cent. higher than in April 1955. Sales by Co-operative Societies were 1.4 per cent. lower in April than in March but 10.8 per cent. higher than in April 1955; in May they were 7.6 per cent. higher than in April and 9.1 per cent. higher than in May 1955.

Chemists Federation

COUNCIL MEETING

A MEETING of the Chemists Federation council was held on July 5, the president (Mr. G. E. Mann) in the chair. Meetings of committees were held on the previous day. The following application for manufacturer membership of the Federation was accepted: Birley's Antacid, Ltd. (Birley's antacid powder and tablets). The following additions to C.F. agreements were approved:—Crookes Laboratories, Ltd. (Veroxil elixir); Merck-Sharp & Dohme, Ltd. (Inverse tablets); Thornton & Ross, Ltd. (Miniprins soluble aspirin for children, Samaritan anti-midge cream); John Wyeth & Bro., Ltd. (Gluferate tablets). Brown & Polson, Ltd., and their products Dextrosol powder and Karo syrup were deleted from the C.F. list. The standards committee had continued its work of examining products that were included in the list before the introduction of the C.F. code of standards and much progress had been made, it was stated. It was reported that a meeting of pharmacists in the Stoke-on-Trent district had been held on June 13 and had been addressed by the assistant secretary (Mr. C. C. Green). A C.F. action committee was set up with Mr. G. Graham as secretary.



IRISH POST-GRADUATE COURSES: Photographed with the president of the Pharmaceutical Society of Ireland, are hospital pharmacists who attended the course of post-graduate lectures held recently at the College of Pharmacy, Dublin (see *C. & D.*, July 7, p. 4).



ORGANISING COMMITTEE: The committee which organised the post-graduate lectures, with Mr. D. W. P. Boyd, M.A. (chairman) in centre of front row. Behind him is Mr. M. Moore (treasurer), and on extreme left (seated) Mr. John Burke (secretary).



REPRESENTATIVE POST-GRADUATES: Medical representatives who attended the post-graduate lectures, with Mr. M. F. Walsh (committee representative) in centre of front row.

NEWS IN BRIEF

ON July 3 seven Paisley, Renfrews, pharmacies changed their early closing day from Tuesday to Saturday.

THE council of the British Institute of Management has appointed Mr. F. R. Livock director of the Institute.

BURY Executive Council's new address is 12 Tithebarn Street, Bury, Lancs.

OFFICERS of Southampton Branch of the Pharmaceutical Society paid a courtesy call on the mayor of Southampton on June 18.

THE trade unions' side of the National Joint Industrial Council for Retail Pharmacy is seeking increases in minimum rates and rota payments.

A HOME for elderly diabetics was opened at Parkgate, Ches., on July 10, by Professor C. H. Best (co-discoverer with Sir Frederick Banting, of insulin).

APPROXIMATELY fifty members of the Croydon Branch of the Pharmaceutical Society visited the Ford Motor Company's works at Dagenham on July 4.

MR. L. Cavender (general manager, Bristol Co-operative Society, Ltd.) has been appointed to represent the Co-operative Union, Ltd., on the National Joint Industrial Council for Retail Pharmacy.

CHAIRMAN of the Wellcome Trust, Sir Henry Hallett Dale, has been awarded the gold Albert medal of the Royal Society of Arts for 1956 "for eminent service to science, particularly physiology."

A PAGE of editorial space in the *News Chronicle* on June 27 was devoted to the works efficiency suggestion scheme of Kodak, Ltd., Wealdstone, Harrow, Middlesex, in connection with the paper's "factory jackpot" competition.

MEMBERS of the Hertfordshire Branch of the Pharmaceutical Society who visited the Hertfordshire Institute of Agriculture, Oaklands, nr. St. Albans, on June 26, were shown round the horticultural section of the Institute.

PROFESSOR Mesnard (professor of pharmaceutical chemistry, Bordeaux University), at present a guest of the University of Bristol, was, together with Mrs. Mesnard, entertained to dinner on July 4 by a number of pharmacists representative of various aspects of pharmacy in Bristol. Mrs. Mesnard is a retail pharmacist in Bordeaux.

FOLLOWING the official opening on July 4 of the Birmingham Pricing Bureau by Mr. L. C. Halliwell (chairman, Joint Pricing Committee for England), the Birmingham local Pharmaceutical Committee, under the chairmanship of Mr. G. H. Walker, acted as hosts to members of the Joint Pricing Committee and other guests who attended the function, at a luncheon in Birmingham.

SPORT

GOLF.—MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, at Shaw Hill golf club, on June 20. Robinson & Sons, Ltd., Wheat Bridge Mills, Chesterfield, were hosts and donors of prizes of *Four-ball Stableford competition* won by R. Ogden and R. Warren. 42.

TOPICAL REFLECTIONS

By Xrayser

Dignity and Decimals

The partially successful outcome of the negotiations entered into in connection with container charges is an indication of the justice of the claim put forward by the representatives of the chemist contractors. It has been obvious for some time that, if the figure was just originally, the steadily increasing costs must of necessity have resulted in the allowance becoming inadequate. The National Pharmaceutical Union is doubtless disappointed that its claim for an increase from 1'25d. to 1'75d. has not been met, but that hardly seems a reason for adopting the arguments of the Ministry in informing the contractors of the acceptance of the figure of 1'55d. It has always been part of the Ministry's case to multiply any fraction and present it as a frightening total. In the N.P.U. announcement the same argument is employed in justifying the use of two places of decimals, and we are reminded that 0'05d. per prescription represents the terrifying total to N.H.S. funds of not less than £40,000 per annum. The N.P.U. deprecates any suggestion that second places of decimals are undignified. Let us then be vulgar for a moment, and remind ourselves that 0'05d. is one-twentieth of one penny, and that at that figure twenty prescriptions are necessary to make one penny. The increase of 0'3d. per prescription may be alarming news for the country's finances as a whole, but the fabulous sum involved is not going to cause me any uneasiness in accepting my portion. But if we are impressed by totals and have been underpaid by 0'3d. for one year, what has happened to a quarter of a million pounds?

Out-patient Dispensing

In a recent article entitled "Pharmacy and Philosophy" (*C. & D.*, June 30, p. 594), your contributor made reference to the fact that at one time the Guild of Public Pharmacists had contemplated asking its members to cease dispensing for out-patients in protest against the low salary scales. Since reading the article, I have wondered to what extent out-patient dispensing is still carried on. It is not universal, I know, and one wonders if it is an essential part of the hospital service today. So much extra work of a highly skilled nature is now carried on in the pharmaceutical departments of hospitals that staffing and time for routine out-patient work must present problems. By tradition, and by the nature of their foundation, most hospitals originally had an apothecary's shop, which supplied the needs of residents and visiting patients, and those departments which have continued to do so may feel reluctant to see a change. But it appears from the article mentioned that out-patient dispensing is now being sent out of the hospitals through lack of staff. In many areas, I am informed, hospitals to which patients have been referred return the patients to their own doctors after diagnosis, for treatment in the ordinary way. Perhaps the contributor to the Hospital Pharmacy Forum will comment on this aspect in a future article. Would, for example, the detaching of out-patient dispensing from the pharmacist's function result in differing status and scale? And, in the long run, would the cessation of such dispensing not result in enhanced status by putting more stress on the highly-specialised work now undertaken in the pharmaceutical departments?

Tooth-pastes

The illustrated article in the Annual Special Issue dealing with the decoration of the lids of tooth-paste pots demonstrates the changes in yet another legitimate field of pharmacy. The tube of tooth-paste may be purchased today at the same counter as turnips, firewood, bread, collar-studs and boiled ham. At one time it was a little more particular in its associates, and tooth-paste was generally made and packed by the chemist who sold it. The decoration of the lids was most attractive, though in my early days in pharmacy two such jars had fallen (or risen) to the useful and decorative function of pill-coating with varnish and silver-leaf.

BRITISH MEDICAL ASSOCIATION EXHIBITION

Many new medicaments on show at Brighton

ABOUT thirty manufacturers of pharmaceutical preparations took part in the British Medical Association's annual exhibition held in conjunction with the Association's annual meeting at Brighton, July 9-13. Many new products were shown.

The following were among products shown that have been introduced since the last London Medical Exhibition.

Anæmia Treatment: RARICAL, a compound of ferrous calcium citrate with tricalcium citrate (*Ortho Pharmaceutical, Ltd.*).—GLUFERATE, an iron and ascorbic acid preparation for treatment of all acute and chronic forms of iron deficiency anæmia (*John Wyeth & Bro., Ltd.*).

Anæsthetics: INTRAVAL sodium now available in 0.5 gm. strength allowing a 2.5 per cent. solution to be made up (*Pharmaceutical Specialities (May & Baker), Ltd.*).—TRANSITHAL [buthalitone sodium], one of shortest-acting intravenous anæsthetics (*Pharmaceutical Specialities (May & Baker), Ltd.*).—ULBREVAL [buthalitone sodium], one of shortest-acting intravenous anæsthetics (*John Wyeth & Bro., Ltd.*).

Analgesics: PANADOL [N-acetyl-p-aminophenol], an analgesic and antipyretic (*Bayer Products, Ltd.*).—JUNIOR PAYNOCIL tablets containing 2½ gr. aspirin with glycine. In aluminium foil pack (*C. L. Bencard, Ltd.*).

Anthelmintic: VEROXIL elixir containing piperazine tartrate for treatment of threadworm and roundworm infestation (*The Crookes Laboratories, Ltd.*).

Antibiotics: CICATRIN, combining bacitracin, neomycin, l-cystine, glycine and dl threonine. As powder or cream. Amino acids in the formula stimulate tissue cell proliferation in acute and chronic wounds (*Calmic, Ltd.*).—DISTAQUAINE V [penicillin V], new oral penicillin tablets (*The Distillers Co. (Biochemicals), Ltd.*).—SOLUPEN brand of crystalline penicillin G (sodium salt) and SOLUPEN buffered [crystalline penicillin G, potassium salt, buffered] (*The Distillers Co. (Biochemicals), Ltd.*).—NEOBACRIN, an ointment containing neomycin sulphate and zinc bacitracin (*Glaxo Laboratories, Ltd.*).—ROVAMYCIN, an antibiotic, spiramycin, with a narrower spectrum than that of the tetracyclines. It is effective against strains of staphylococci resistant to penicillin, streptomycin, the tetracyclines and chloramphenicol, and against infections caused by hæmolytic streptococci, etc. (*Glaxo Laboratories, Ltd.*).—PENICILLIN V capsules and paediatric suspension (*Eli Lilly & Co., Ltd.*).

Anti-depressives: RITALIN [phenyl-(α -piperidyl)-acetic acid methyl ester] is a central nervous stimulant with an action intermediate between those of amphetamines and caffeine (*Ciba Laboratories, Ltd.*).—MEPHINE elixir and tablets. Preparations of mephentermine sulphate, a sympathomimetic amine akin in action to dextroamphetamine sulphate (*John Wyeth & Bro., Ltd.*).

Antihistaminics: ANTHICAL lotion containing Anthisan and zinc oxide for insect bites, sunburn, etc. (*Pharmaceuti-*

cal Specialities (May & Baker), Ltd.).—SANDOSTEN + CALCIUM-SANDOZ, effervescent tablets containing Sandosten [1-methyl-4-amino-N'-phenyl-N'-(2'-thenyl)-piperidine tartrate], calcium lactate and calcium gluconate; and intravenous injection containing Sandosten and calcium gluconogalactogluconate. There is also available, Sandosten + Calcium Sandoz ointment (*Sandoz Products, Ltd.*).

Anti-tussive: ROMILAR [(+)-3-methoxy-N-methyl-morphinan hydrobromide]. Available as syrup containing 10 mgm. in 5 c.c. (*Roche Products, Ltd.*).

Enuresis Treatment: DI-SIPIDIN, a preparation of pituitary posterior lobe in an insufflation base now offered for treatment of nocturnal enuresis (*Paines & Byrne, Ltd.*).

Hay Fever Treatment: PABRACORT, a hydrocortisone acetate insufflation (*Paines & Byrne, Ltd.*).

Hormone Preparations: TERTROXIN tablets of l-triiodothyronine sodium claimed as the "ultimately effective" form of the thyroid hormone (*Glaxo Laboratories, Ltd.*).—PREMARIN, a preparation of orally active, water-soluble conjugated oestrogens derived from pregnant mares' urine (*Imperial Chemical (Pharmaceuticals), Ltd.*).

Hypotensives: ECOLID [4, 5, 6, 7 tetrachloro-2-(2-dimethylaminoethyl)-isoindoline dimethochloride], a new ganglion-blocking agent for treatment of hypertension (*Ciba Laboratories, Ltd.*).—SERPATONIL, a combination of Serpasil [reserpine], an anti-hypertensive; and Ritalin [phenyl-(α -piperidyl)-acetic acid methyl ester hydrochloride], an anti-depressive (*Ciba Laboratories, Ltd.*).—ARFONAD [(+)-3, 4 (1', 3'-dibenzyl-2'-keto-imidazolido)-1, 2-trimethylene thiophanium d-camphor sulphate], a ganglion-blocking agent with also a direct dilator effect on peripheral vessels. It is used for surgical procedures in which a hypotensive technique is indicated (*Roche Products, Ltd.*).

Laxative: METAMUCIL brand of refined psyllium with dextrose for the "smoothage" treatment of constipation (*G. D. Searle & Co., Ltd.*).

Migraine Treatment: CAFERGOT (ergotamine tartrate and caffeine) now in form of suppositories (*Sandoz Products, Ltd.*).

Moniliasis Treatment: GENTERSAL cream for the treatment of vulvovaginal moniliasis. Contains gentian violet and alkyl dimethyl benzyl ammonium chloride (*Ortho Pharmaceutical, Ltd.*).

Myasthenia Gravis Treatment: MESTINON [pyridostigmine] is a cholinesterase antagonist in tablet form, ampoules and concentrated solution (*Roche Products, Ltd.*).

Otitis Externa Therapy: OTIGOL cream containing sodium diamino disulphomethyl fuchsonium sulphate, sodium bitorate, cetrimide and sulphur (*Camden Chemical Co., Ltd.*).

Parkinsonism Treatment: DISIPAL [β -dimethylaminoethyl-2-methyl-benzhydrylether hydrochloride] (*Camden Chemical Co., Ltd.*).

Sedatives: NOLUDAR [2, 4-dioxo-3, 3-diethyl-5-methyl-piperidine], a mild, rapidly-acting sedative-hypnotic in tablet form. Differs chemically from barbiturates and straight chain ureides (*Roche Products, Ltd.*).—COVATIN [p-butylthiodiphenyl-methyl-2-dimethylaminoethyl sulphide hydrochloride], an anti-anxiety drug with spasmolytic properties (*William R. Warner & Co., Ltd.*).

Surgical Dressings: ELASTOPLAST AIR-STRIP, waterproof and non-occlusive protection for minor wounds. Adhesive is applied to the dressing in lattice fashion so that microporosity is retained. Yet the dressing adheres as firmly as in the fully-spread dressings, the interstices between the adhesive providing a suction effect. The dressing pad stretches with the dressing (*Smith & Nephew, Ltd.*).—GYPSONA EXTRA, a polymerised reinforced plaster of Paris bandage. The bandage is lighter, stronger and resistant to water (*Smith & Nephew, Ltd.*).—All Taylor's zinc oxide strapping is now supplied on water-repellent cloth (*Edward Taylor, Ltd.*).

Tranquillisers: SUAVITIL [benactyzine hydrochloride], an anticholinergic with a specific effect on central nervous system (*Glaxo Laboratories, Ltd.*).—MILTOWN [2-methyl-2-n-propyl-1, 3-propanediol dicarbonate] (*Lederle Laboratories Division, Cyanamid Products, Ltd.*).—LUCIDIL [benactyzine hydrochloride], an anticholinergic substance with a specific effect on central nervous system (*Smith & Nephew, Ltd.*).—PACATAL, a phenothiazine derivative (*William R. Warner & Co., Ltd.*).—EQUANIL [meprobamate] (*John Wyeth & Bro., Ltd.*).

Trichomoniasis Therapy: TRITHEON [amininitroazole] tablets for treatment of trichomoniasis in the male and female (*Ortho Pharmaceutical, Ltd.*).

Urine Analysis: The following products were being demonstrated and will be shortly available: ALTEST tablets containing salicylsulphonic acid and a pH indicator. When added to a sample of urine containing protein a white precipitate is formed. The indicator avoids the error that would arise with alkaline urine which would not produce a precipitate unless in the presence of excess salicylsulphonic acid. CLINISTIX reagent sticks for the detection of glucose in urine. ICTOTEST tablets for detection of bilirubin in urine. OCCULTEST tablets for the detection of blood in urine (*Ames Co. (London), Ltd.*).—Now available: TES-TAPE, a urine sugar test tape that indicates the presence of glucose in the urine and also the quantity present (*Eli Lilly & Co., Ltd.*).

Vaccine: Polivirin poliomyelitis vaccine (*Glaxo Laboratories, Ltd.*).

Vasodilator: PERDILATAL [1-(p-hydroxyphenyl)-2-(1-methyl-3-phenyl-propylamino)-propanol-(1) hydrochloride] (*Smith & Nephew, Ltd.*).

Vitamin Preparations: VI-MAGNA SYRUP containing in a single daily dose a full supplement of essential vitamins

in cases of inadequate intake or utilisation of those factors (*Lederle Laboratories Division, Cyanamid Products, Ltd.*).—SYNKAVIT. New strength. 1 mgm. ampoule for paediatric use (*Roche Products, Ltd.*).—OROVITE elixir, a high potency B complex preparation (*Vitamins, Ltd.*).

Special Exhibitions

In conjunction with the annual meeting of the B.M.A. a special exhibition was presented by the Pharmaceutical Society. Entitled "The Pharmacy of Some Hypotensive Drugs," the exhibition was arranged by Dr. J. M. Rowson (curator of the Society's museum). Two drugs were described, namely *rauwolfia* and *veratrum*. Specimens of the crude drugs were shown and maps indicated their sources. Diagrams showed the detailed anatomy of the drugs, and charts the alkaloids obtained from them. Also exhibited were actual pharmaceutical preparations derived from the drugs. In addition to the exhibits dealing with *Rauwolfia serpentina*, mention was also made of *Rauwolfia canescens* and *Rauwolfia vomitoria* as sources of reserpine. Each of those drugs was described by charts and diagrams showing their chemical composition and anatomical structures. The actual growing plant of *Rauwolfia vomitoria* was shown. Photographs supplied by Ciba Laboratories, Ltd., showed counter-current extraction apparatus for the separation of *rauwolfia* alkaloids; the molecule and crystals of reserpine; the tranquillising effect of reserpine on rhesus monkeys; and the ingredients that go into the making of tablets of reserpine. A chart showing some synthetic hypotensive drugs (ganglion-blocking, central action and sympatholytic agents) was also exhibited.

There was also an exhibition by the Association of British Pharmaceutical Industry showing the work of the industry.

IN PARLIAMENT

IN the House of Lords on June 27, EARL ST. ALDWYN (a joint Parliamentary Secretary to the Ministry of Agriculture, Fisheries and Food) told LORD TEVIOT that the precise terms in which the Food Standards Committee would be invited to consider the need for more extensive regulations governing the composition of flour and bread had not yet been settled but the Committee would be given scope to examine all relevant aspects of the matter apart from those on which the Government had already reached a decision in the light of the Cohen report (see *C. & D.*, May 26, p. 430), namely on the iron, vitamin B₁, and nicotinic acid content of flour.

Cost of Drugs

MR. R. H. TURTON (Minister of Health) told MAJOR T. V. H. BEAMISH, in a written answer on July 4, that on present information, because of substantial changes in the pattern of prescribing, no measurement of the variation in the cost to the Exchequer in each financial year of drugs and appliances supplied under the National Health Service, in terms of constant prices, was possible.

NATIONAL CONFERENCE ON VISUAL AIDS

Applying science in order to survive

MORE than 500 delegates attended the annual conference of the National Committee for Visual Aids in Education and the Educational Foundation for Visual Aids held in London on July 6 and 7. Sixty representatives from overseas territories attended as part of a conference on visual aids in education and community development held at the Colonial Office. The conference programme comprised fourteen sessions devoted to the practical application of visual aids at all levels of education.

Steady Progress

DR. J. A. HARRISON (director of the Foundation) was able to report steady progress, with 46,000 films sent out from the Foundation library during the year and distribution of equipment reaching the highest figure ever. Film production, he reported, had been handicapped through lack of finance; nevertheless two further films had been added to the series of Advanced

Science Films, and England and Wales had completed its film contribution to the international programme presented by member countries of the Brussels Treaty.

DR. W. P. ALEXANDER, speaking at the opening of the conference, gave encouraging news when he said that, within a few months, there was every prospect of a company being formed for the production and distribution of films specifically designed for the classroom, and that the company would have at its disposal a sum of £10,000 a year. At the concluding session Mr. Ritchie Calder, speaking on "Today's Curriculum and Tomorrow's World," asserted that the present-day educational system bore little relation to the world of today, so far as science was concerned. Britain's future, said Mr. Calder, could not lie in mass production. It must lie in prototypes, and Britons must learn to apply science if they were to survive as a nation.

PRACTICAL TRAINING IN PHARMACY

National Pharmaceutical Union prepares a scheme

THE Executive of the National Pharmaceutical Union, at its meeting in London on June 25, instructed its apprenticeship committee to proceed with the preparation of a scheme of "apprenticeship" training, to be made available to prospective employers to assist then in ensuring that a systematic training could be offered to any trainee. It was contemplated that any such scheme would have to be financed by employers who made use of it. The apprenticeship committee was also instructed to examine and report back on the economic and other barriers which apparently deterred many private pharmacists from undertaking apprenticeship training and to make recommendations on how those barriers might be overcome and recruitment into private pharmacy stimulated.

Representatives were appointed to attend a discussion if the Pharmaceutical Society's Council should decide to proceed in the matter of a liaison committee to discuss professional problems of marketing, prescribing and dispensing of proprietary medicines.

Loans amounting to £10,000 from the Business Purchase Fund towards the purchase of four private pharmacies were authorised. Note was taken of the need to secure further investments in the Fund if its prime object of retaining in private ownership businesses which might otherwise pass into Co-operative Society or public company ownership was to be secured.

It was reported that exploratory talks with a number of manufacturers' trade associations on current retail profit margins would shortly be arranged. Where organisations are precluded, under their constitution, from discussing questions of prices, margins or profits, discussions are being held with individual manufacturers. Other aspects of marketing reported on by the marketing policy committee included coupon schemes and the supply of goods

direct to a price-cutter by a manufacturer not a member of the Proprietary Articles Trade Association. On coupon schemes, evidence was submitted that where a member of the public deliberately set out to purchase an article such as a tooth-paste with a coupon, he or she was more likely to go to a pharmacy to make the purchase than when making a non-coupon purchase. In consequence the Executive thought that where coupon schemes were framed so that the retailer made his normal profit on the coupon value of the transactions, it was contrary to the interests of the pharmacist to refuse to accept coupons. On the question of supplies to a price-cutter, no reply having been received from the manufacturer concerned, it was agreed that the facts should be publicised, unless there was a satisfactory outcome at an interview with the manufacturer.

Evidence on the level of demand for and the keeping qualities of PAS cachets was examined; it was decided to submit the evidence to the Ministry of Health with a request for alteration of the Drug Tariff requirements. It was decided that an offer from the Ministry of Health to increase the container allowance to 1.55d. per prescription with effect from November 1, 1955 should be accepted under protest (see *C. & D.*, July 7, p. 1). It was agreed that efforts should be continued to secure the resumption of discussions on the main remuneration claim without further delay and that it should be left to the chairman of the Central N.H.S. (Chemist Contractors) Committee, in consultation with the other officers, to decide at what stage it would be advantageous to reconvene the conference of Pharmaceutical Committee representatives. The terms of a claim for increased fees for truss and hosiery fitting services were endorsed, and arrangements were made to present the claim to the Ministry of Health.

LEGAL REPORTS

Window Competition a Lottery

AT Canterbury, recently, a local confectioner was fined £5, with £4 4s. costs, for conducting a lottery by offering as a prize in a competition a £5 note displayed in his window. Numbered tickets were issued to customers buying goods to the value of sixpence or over. A notice in the window stated that the competition was a gesture of goodwill, and that there was no obligation to purchase. Later there was a draw, and the winning number and the name and address of the claimant were displayed. The defence put forward was that there was no obligation to purchase, and no inducement to buy goods. It was a gratuitous distribution of chances and therefore not a lottery — a defence which, as already indicated, was not accepted.

Attempted Suicide

AT Birkenhead, on June 23, Mrs. Jean Esther Ravenscroft, Conway Street, Birkenhead, who had been found wandering in a dazed condition, was remanded to Strangeways Prison for three weeks for a medical report. She had pleaded guilty to attempting to commit suicide by taking an overdose of capsules. Mrs. Ravenscroft was stated to have suffered from a form of sleeping sickness and to have received treatment from a psychiatrist. Various sedatives had been prescribed for her. On June 17 a Mr. Thomas saw Mrs. Ravenscroft outside his house. She was trying to cross the road and appeared to be ill. She said she was going to see her mother, but owing to her complaint she could not use the bus and was intending to walk. Mr. Thomas offered to take her in his car and went out to get it. When he came back Mrs. Ravenscroft was asleep in a chair. As she had not recovered some time later, he called the police. Mrs. Ravenscroft told a police sergeant that she had taken sixteen capsules with the intention of "ending it all."

"Deliberate" Traffic in Hemp

AT Marylebone, London, magistrates' court on June 13, Miss Nancy Hawkins, Chippenham Road, Paddington, was sentenced to four months' imprisonment for what the magistrate called "deliberate" traffic in Indian hemp. Denis Howard, of the same address, was conditionally discharged for twelve months on a similar charge. He had pleaded guilty and was called as a witness against Hawkins. Prosecuting solicitor said that police officers went with a warrant to the Chippenham Road address and searched the premises. Howard, who occupied the basement room and was said to be suffering from tuberculosis, was searched and in one of his trousers pockets was found a single small packet of Indian hemp. He said he was selling it for "Nancy," and indicated that the officers could find more in the basement junk room, where a quantity of the drug was in fact found. Howard was not thought to be a drug pedlar: "he had just drifted into it." Hawkins, a barmaid, had pleaded not guilty. Two other packets of Indian hemp were found in her room.

COMPANY NEWS

Last year's figures in parentheses

ROBINSON & SONS, LTD. — Mr. Henry Hubback, a director and general manager of the company's surgical dressings departments has retired after sixty-one years service.

GILLETTE INDUSTRIES, LTD. — Trading profits for the year ended November 1955 were £6,074,380 (£5,633,870). After taxation of £2,480,492 (£2,598,835), £138,212 for depreciation, £103,393 for directors' emoluments the net profit was £3,464,480 (£2,577,765) from which £3,286,500 net is paid in dividends and the balance retained. Export turnover represented 56 per cent. of the total.

BEECHAM GROUP, LTD. — Subject to audit, the group trading profits for the year ended March 31, amounted to £3,665,808 (£3,860,827 for the previous year). The fall in profits is more than accounted for by a substantial reduction in the profits of the proprietary food businesses which have been brought together in Beecham Foods, Ltd. This company, in its first year of operation, experienced serious administrative difficulties which, the directors state, have now been overcome. After providing for interest on loan stock, taxation and dividends on minority shareholdings in subsidiaries there remains a surplus of £1,579,419 (£1,482,932). A final Ordinary dividend of 10 per cent., less tax, is proposed, making 30 per cent. for the year.

N.V. KONINKLIJKE ZWANENBERG-ORGANON, Holland. — The board states that 1955 yielded a new high record in activity and results of the concern. Net profit totalled fl. 7.1 millions (against fl. 5.9 millions). Sales were almost six times greater than in 1947 and both home and export markets were responsible. Productive capacity of the cortisone plant was stepped up considerably. A total of fl. 4.3 millions was invested in plant, equipment, etc. (fl. 3.2 millions). During the current year a start will be made with the construction of a meat-products factory and a plant for the manufacture of tablets and ampoule filling. A pharmacological laboratory is to be extended and a new building added to the chemical research department. During 1955 a foreign subsidiary, Organon Mexicana, S.A., was formed. Following the publication of the annual report, the board has announced that, subject to shareholders' approval, it will buy from the British company, Zwanenberg-Organon, Ltd., the wholly-owned subsidiary Organon Laboratories, Ltd. The transaction, if approved, will mean that all companies throughout the world carrying the name Organon will be in the hands of the Dutch undertaking.

New Companies

P.C. = Private Company; R.O. = Registered Office

PARKER SANDERSON, LTD. (P.C.).—Capital £1,000. To acquire the pharmacy at 29 Ramshill Road, Scarborough, etc. Directors: Elsie B. Sanderson, Samuel K. Ashworth, William R. Johnson and Alfred Blackburn, M.P.S.

FLORALYS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in cosmetics, soaps, etc. Directors: Peter J. Goddard, Frederick R. Cullingford and Frederick W. Davies (all directors of Florogen, Ltd.). R.O.: 132 Western Road, Mitcham, Surrey.

HARRY HORNER & SON, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and dealers in beauty preparations, perfumes, soaps, etc. Directors: Harry Horner and Neville W. Horner. R.O.: Station Chambers, 36 Bolton Street, Bury.

WESTON CHEMISTS (SOUTH-AMPTON), LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Directors: William H. Thorne, M.P.S., John H. Leggett. R.O.: Archery Road, Weston, Southampton.

WHITES CHEMISTS (EMSWORTH), LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturing, wholesale, retail and dispensing chemists, etc. Directors: Frank W. T. White, M.P.S., Madeleine W. White and William S. McKee. R.O.: 38 High Street, Emsworth, Hants.

ANTHONY PRODUCTS (BOLTON), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in powders, soaps, ointments, lotions, etc. Directors: Frederick Griffin and Joseph Connaughton. R.O.: 10 Bradshawgate, Bolton.

J. V. ADAMS, LTD. (P.C.).—Capital £2,000. To acquire the business of a chemist and druggist carried on by James V. Adams, M.P.S., at Stockton-on-Tees, etc. Directors: Matthew I. Nicholson and Hannah M. Nicholson. R.O.: 8 Yarm Lane, Stockton-on-Tees, co. Durham.

MENABB & MONAGHAN, LTD. (P.C.).—Registered in Dublin. Capital £2,000. To carry on the business of manufacturing and distributing surgical and medical dressings, chemicals and drugs, etc. Subscribers: Joseph J. McNabb and Terence J. Monaghan, 94 Merrion Road, Dublin. The first directors are not named.

BUSINESS CHANGES

REVLON INTERNATIONAL CORPORATION have removed to 86 Brook Street, London, W.1 (telephone: Grosvenor 4971).

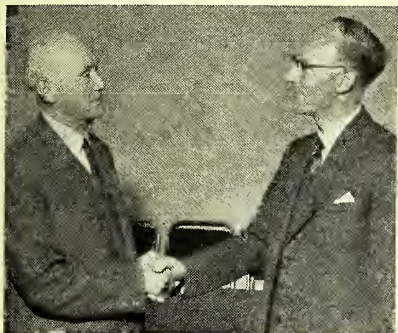
Appointments

BAYER PRODUCTS, LTD., Eden Street, Kingston-on-Thames, Surrey, have made the following appointments to their representative staff. Mr. H. Whittaker (Edinburgh and South-east Scotland); Mr. C. Cameron, M.P.S. (South-west Scotland); Mr. P. J. O'Donnell (North London and Hertfordshire); and Mr. F. Schofield (West Riding of Yorkshire). Mr. L. E. Saint, M.P.S., has been appointed manager of the company's northern area and Mr. R. Shuttleworth, M.P.S., manager of the mid-land area.

PERSONALITIES

MR. K. B. HADFIELD, M.P.S., Matlock, has been elected president of Matlock Rotary Club.

MR. W. T. GIBSON, M.P.S., Edinburgh, has retired after twenty-eight years' service as representative of Bayer



Mr. Gibson being congratulated by Mr. L. M. Spalton (sales Director, Bayer Products, Ltd.) on his long service with Bayer Products, Ltd.

Products, Ltd., in Edinburgh and South-east Scotland. At a dinner given by the management to mark the occasion Mr. Gibson was presented with a cheque, an inscribed salver and an album of signatures.

MR. DUNCAN MACPHERSON, M.P.S., Kyle of Lochalsh, Ross-shire, has recently brought up-to-date and published a new edition (the twenty-fourth) of his pocket guide to Skye, Lochalsh and the Outer Hebrides.

MISS T. I. C. ROBERTSON, M.P.S., Peterborough, has been elected a member of the newly-formed Pharmaceutical Advisory Committee of the East Anglian Regional Hospital Board.

MR. D. G. MACDOUGALL, M.P.S., Paisley, has been appointed a member of Renfrewshire Executive Council in succession to Mr. R. Kenneth Wilson, M.P.S.

MISS D. L. MERMIKEDES, who has been assistant editor of the *British and Overseas Pharmacist* for the past three years, is taking up an editorial appointment with the *Chemical Age* on August 1.

MR. J. C. GAMBLES (J. C. Gambles, Ltd.), was recently appointed an honorary vice-president of the Proprietary Association of Great Britain; Mr. Gambles has been a member of the executive committee of the Association since 1937.

MR. KENYON W. J. JONES, who is managing director of Ronson Products, Ltd., England, has been named vice-president of the Ronson Corporation, in charge of the English operations. Mr. Jones joined Ronson Products, Ltd., as managing director in 1950. He is a graduate of Oxford University. Prior to 1950 he was associated with Unilever, Ltd. where he held sales and marketing positions.

MR. THOMAS NEILSON, M.P.S. (Dandie & Co., 81 High Street, Perth), attended a dinner recently, to mark the 150th anniversary of the founding of Geo. G. Sandeman, Sons & Co., Ltd. (wine shippers). He was one of a number of representatives of Perth com-

panies that were founded 150 or more years ago and whose names have not been changed and who had had dealings with the Sandeman family. The firm of Messrs. Dandie & Co. was founded in 1797, and still has records of prescriptions issued to Mrs. Frank Sandeman, Stanley, in 1874.

MR. HENRY HUBBUCK (a director and general manager of the dressings division of Robinson & Sons, Ltd., Chesterfield) has retired after sixty-one years with the company. During the 1939-45 war Mr. Hubbuck was secretary of the Surgical Dressing Manufacturers' Association and subsequently of the Surgical Dressings and Adhesive Strappings Export Group. In the 1951 New Year's Honours List he was awarded the M.B.E. for services in connection with the supply of surgical dressings to the Forces during the 1939-45 war. Mr. Hubbuck has been for many years a member of the British Pharmaceutical Codex surgical dressings subcommittee.

DEATHS

ADAMSON. — At 23 South High Street, Portsoy, Banffs, recently, Mr. William Peter Adamson, M.P.S., aged eighty. Mr. Adamson was a native of Dundee, and carried on a pharmacy at Portsoy for fifty-two years. He retired only two years ago and is survived by his widow and three stepsons.

BRECKON. — On June 27, Mr. Frank Prudom Breckon, M.P.S., The Pharmacy, Thingwall Road, Irby, Heswall, Wirral, Ches. Mr. Breckon qualified in 1921.

DREWETT. — On June 15, Mr. Percy Conyers Drewett, M.P.S., 9 Saxonhurst Road, Bournemouth, Hants, aged seventy-four.

GILHOOLY. — On June 13, Miss Mary Gilhooly, M.P.S., 24 Henderson Street, Lochgelly, Fife, aged twenty-nine.

MELLING. — On June 7, Mr. Alfred Ernest Melling, M.P.S., The Elms, Station Road, Hatton, Warwick, aged eighty. Mr. Melling qualified in 1899.

McEWAN. — At 133 Clarkston Road, Glasgow, S.4, on July 1, Mrs. Margaret Nicol McEwan, widow of the late Mr. Arthur McEwan, who qualified as a chemist and druggist in 1900.

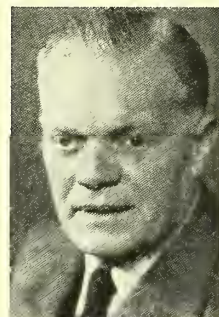
MUNACHEN. — Recently, Mr. George Robertson Munachen, M.P.S., 17 Mummery Lane, Limbury, Luton, Beds. Mr. Munachen qualified in 1929.

MUSSELL. — On June 17, Mr. Leonard Waite Mussell, M.P.S., c/o Mrs. T. H. Roberts, The Manse, Howells Crescent, Llandaff, Cardiff, and formerly of Lymptone, Exmouth, Devon. Mr. Mussell qualified in 1920.

ROBERTSON. — In 1955, Mr. Alexander Longmuir Robertson, M.P.S., 27 Beaufort Road, Kingston-on-Thames, Surrey. Mr. Robertson qualified in 1901.

ROSENBAUM. — On June 22, Mr. Alfred Rosenbaum, M.P.S., 5 Adamson Road, Swiss Cottage, London, N.W.3. Mr. Rosenbaum qualified in 1943.

STRINGER. — On June 25, Mr. Charles E. Stringer, a former joint general sales manager of Kodak, Ltd. Mr. Stringer retired from business at the end of 1955 after nearly fifty years' service with Messrs. Kodak. From 1906, when he first joined the company, until 1937, when he went to head office as manager of branches, he held positions in the Kodak branches at Birmingham, Dublin and Glasgow, rising over the years to become manager of each of them. He became sales manager in 1938 and a joint general sales manager in 1945.



A colleague writes: "Charlie" spent a lifetime in making contacts with photographic dealers and others connected with photo-finishing and professional photography, and it is doubtful if anyone has ever been held in greater esteem in the photographic trade. Within the Kodak organisation, everyone regarded him as a friend. He always took great interest in the activities of the staff of the company outside business hours, and for a number of years was president of the Kodak Recreation Society.

STUTTARD. — On June 6, Mr. William Stuttard, M.P.S., 318 Penn Road, Wolverhampton, Staffs, aged sixty-two.

SULLIVAN. — Recently, Mr. Spencer H. Sullivan, managing director, the Carbon Dioxide Division, The Distillers Co., Ltd.

SUNMAN. — At his home in Bexhill, Sussex, on June 8, Mr. William Joseph Sunman, aged eighty. Mr. Sunman qualified as a chemist and druggist in 1902 and carried on the business at 43 Wellington Street, Luton, established in 1864 in King Street by his father. Mr. Sunman sold his pharmacy about ten years ago.

WALKER. — On May 2, Mr. William Walker, M.P.S., 34 Southwick Street, London, W.2. Mr. Walker qualified in 1928.

INQUEST

"Very Large Overdose." — At an inquest at Birmingham on May 3, at which an open verdict was returned on Miss Florence Barley, Selly Oak, she was stated to have taken "a very large overdose" of phenobarbitone tablets for headache. A medical practitioner said that Miss Barley had for several years suffered from migraine, and he had prescribed $\frac{1}{2}$ -gr. tablets of phenobarbitone, one to be taken three or four times a day. On April 7 she had received a prescription for 100 tablets. An assistant at the West Midland Forensic Science Laboratory said that Miss Barley had taken, at a conservative estimate, at least 25 gr. of phenobarbitone. Miss Barley was described as a "cheery personality."

TRADE NOTES

Setting Lotion in Smaller Size. — Golden, Ltd., 7 Grosvenor Street, London, W.1, have made available a new small size of their Tress setting lotion.

Lotion in Three "Musical" Perfumes. — A hand lotion issued by Eric C. Cleaver, Ltd., Pilchergate, Nottingham.



ham, in 4-oz. plastic "dispenser," as illustrated, or in the alternative pack of a 2-oz. glass bottle, is available in three "musical" perfumes, Mazurka, Polonaise and Nocturne, each with appropriate musical motif.

Additional Size. — Biorex (Marketing), Ltd., have added a 100-tablet pack to their range of Biosone G.A. glycyrrhetic-acid tablets each containing 250 mgm. of active isomers.

Tweezers. — Inquiries for the Greba spring-action stainless-steel tweezers should be sent to Calmic, Ltd., Crewe Hall, Crewe, Ches. and not as stated recently in these columns.

Stand for Sunglasses. — A revolving stand for displaying up to sixty pairs of sunglasses is available from South Coast Optical, Old Christchurch Road, Bournemouth.

Products for Antarctic Expedition. — Neatex Products, Ltd., Wern Mills, Queensferry, North Wales, have been asked to send to the Shackleton and Scott bases of the Transantarctic Expedition supplies of their Satinex toilet rolls in readiness for the final part of the Expedition.

Neutral Soap. — Neutrogena soap, manufactured by M. & R. Norton, Ltd., Adriant Works, 9 Park Hill, London, S.W.4, is the subject of a review in the *British Medical Journal*, June 30. The soap, which contains no acids or alkali,

is reported to have proved beneficial for skin ailments such as industrial dermatitis, infantile eczema, etc.

Economy Size. — To meet a demand from users, Chappie, Ltd., Melton Mowbray, have produced a double-size pack of Meet, their all-meat dog-food. The new pack secures a saving of three-pence to the dog-owner who would otherwise buy two smaller tins.

Stock Cards. — Thomas Waide & Sons, Ltd., Kirkstall Hill, Leeds, have produced double-sided stock cards printed black on white board, size $5\frac{1}{2} \times 3\frac{3}{4}$ in. upright or horizontal. The cards are available from stock by return.

Display Prize-winners. — In a window-display competition organised by John Morrell & Co., Ltd., 57 Victoria Street, Liverpool, 1, manufacturers of Red Heart dog and cat foods, the winner of the first prize (£50) was Mr. S. A. Roberts, 452 Halliwell Road, Bolton, Lancs. The general standard of entries was high, many showing great originality in design. In consequence, ten extra prizes of £5 each were awarded. Their names are given on another page.



COUNTER DISPLAY BOX: Produced by Cannon Rubber Manufacturers, Ltd., Ashley Road, London, N.17, the counter display box, illustrated contains 2 doz. Modern three-hole feeding-bottle teats and modern teat-display platform.

Window Display Competition. — To increase the sales of Spratt's dog food products, prizes to a total value of £622 10s. are offered by Spratt's Patent Ltd., 41 Bow Road, London, E.3, in a window - display competition for Spratt's dog-food products. The competition is open to all traders, including those who have no direct account

with the company. A standard parcel of display material is available as are a descriptive leaflet and registration form. Subject to the consent of a proprietor, a cash prize of £15 in respect of a first; £12 10s. in respect of a second; and £5 in respect of a third prize entries will be awarded to the manager or employee responsible for devising and installing the winning displays. The latest date for registration is September 3 and for receipt of entries December 28.

Trade Mark Registered. — In order, as they say, "to make things easier for those of their customers in the food and beverage industries who find the name Lautier Fils, Ltd., a bit of a mouthful," the company has registered the word



Lofil as a trade mark covering all the products supplied by their flavouring essence branch (including fruit extracts, concentrated fruit juices, fruit and flavouring essences, soluble oils, squash concentrates and essential oils for use in foodstuffs), and for their London-manufactured aromatics. The word Lofil is superimposed on a silhouette of the London factory of the company at Power Road, Chiswick, London, W.4.

Container Change. — Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, announce that 5-day deodorant sticks are now issued in a gold and maroon metal container,



following the successful reintroduction of 5-day pads earlier this year in that attractive colour scheme. All future retail orders will be met with $\frac{1}{2}$ doz. 5-day sticks packed in the small gold and maroon counter unit illustrated.

Bonus Offers

MERCK-SHARP & DOHME, LTD., Hoddesdon, Herts. Melozets Wafers. Twelve packets invoiced as eleven, larger quantities *pro rata*. Until July 31 only.

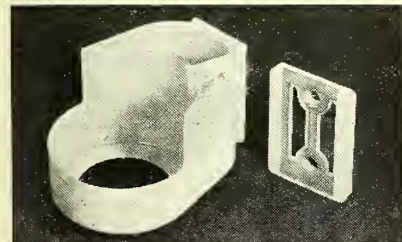
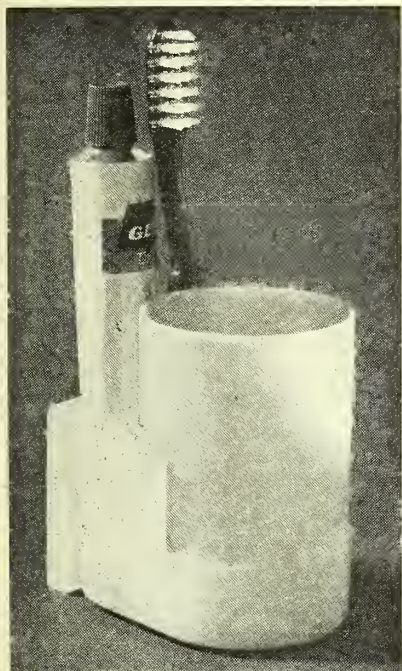


SALES CONFERENCE DINNER: Representatives and executives of Ortho Pharmaceutical, Ltd., Slough, at a summer sales conference dinner in London, June 28.

NEW PRODUCTS AND PACKS

New Hair Tints.—Edwards Harlene, Ltd., 58 Gough Street, London, W.C.1, have added to their Smoke grey colour rinse two new hair-tint products, Smoke deep brunette for restoring dark-to-medium brown, and Smoke velvet brown for light-to-medium brown hair that is going grey.

Tooth-cleaning Unit.—A new beaker and holder for tooth-brush and tooth-paste, with a wall fixing bracket on to which it slides, is being marketed



by V. G. Trading and Finance Co., Ltd., Fulwood House, Fulwood Place, London, W.C.1. The holder, which in the illustration is shown both in use and as components, is made in opal polystyrene, ensuring a lightweight container.

Trichomonal Vaginitis Treated Orally.—Ward Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1, are marketing a new product, Trichorad tablets, for the oral treatment of trichomonal vaginitis. Each enteric-coated tablet contains 100 mgm. of 2-acetyl-amino-5-nitrothiazole, a stable water-soluble crystalline compound with antiprotozoal activity. Trichorad tablets are packed in containers of thirty and 600 tablets.

Ovine Enzootic Abortion Vaccine.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce the introduction of Wellcome brand ovine enzootic abortion vaccine (Kebbing vaccine). The product is

described as an egg-adapted adjuvant vaccine and is prepared at the Wellcome Research Laboratories. It is intended for the prevention of enzootic abortion in gimmers and ewes, and is injected subcutaneously in 1-c.c. dose before tupping. The pack is 20 c.c.

Hydroxyzine Tranquilliser.—Pfizer, Ltd., 137 Sandgate Road, Folkestone, are marketing in Britain from July 15 a new tranquilliser, Atarax, consisting of hydroxyzine hydrochloride in 10-mgm. tablets. The drug is claimed to stabilise emotion, eliminate sudden mood swings and relieve anxiety without interfering with mental acuity, and is understood to be particularly well tolerated. Both in short- and long-term therapies the product was, in laboratory and clinical trials, free from observed toxic effects. The packs are containers of twenty and 100 tablets.

Bactericidal Haemostat.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a new bacterial haemostat, Dequaspon, consisting of absorbable gelatin sponge, B.P.C., impregnated with 0.1 per cent. of Dequadin (decamethylene-bis-(4-amino-quinolindinium chloride)), the antimicrobial compound developed by the company's research division. Dequaspon

ensures complete haemostasis after dental operations and, by preventing sepsis, promotes uneventful healing. It is issued sterilised in a tube containing six pieces, each 2 x 2 x 1 cm.

Benactyzine Tranquilliser.—Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, are marketing



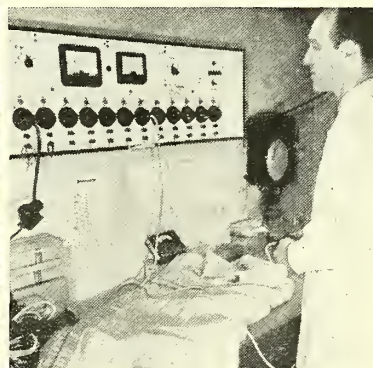
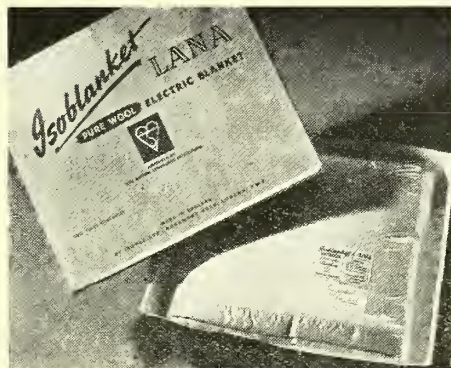
a new speciality Lucidil (benactyzine hydrochloride) for the treatment of certain psychoneurotic disorders. Lucidil is available in containers of 100 sugar-coated tablets each containing 1 mgm. of the compound. A larger hospital and dispensing pack is being made available shortly.

FIRST WITH "KITE" MARK Electric blanket quick to comply with new Standard

WITHIN twenty-four hours of the publication by the British Standards Institution of a specification (B.S.S., 1956, No. 2612) for electric blankets, Isopad, Ltd., 30 Rosemont Road, London, N.W.3, were ready with examples bearing the famous "kite" mark of the Institution. The issue of the kite mark to the Isopad product has a special distinction, since electric blankets are one of the few products that may not be claimed to comply with the British Standard specification unless they have been tested by the Institution itself. Under test, the Isopad more than complied with the requirements. Kept in a humidity cabinet for twenty-four hours, and then subjected to a current at 1,000 volts for one minute (its nominal voltage is 210-40) the blanket suffered no breakdown. When a direct current at 500 volts was applied to the blanket wire and a metal foil placed on top of it, the minimum installation

resistance was 35 megohms (1 megohm would have been enough). A pull of 35 lb., exerted for one minute on the electric cord by which the blanket is plugged-in, caused no damage. In a usage-simulation test the blanket was flexed and bent a thousand times in several directions and the previous tests repeated. The blanket was shown to have suffered no deterioration.

Messrs. Isopad are marketing a range of electric blankets. Those trade-marked Lana, are of pure wool in blue, green and pink pastel shades, satin-bound. There are two sizes, the smaller 60 x 80 in. (heated surface 36 x 54 in.) and the larger 70 x 80 in. (heated surface 54 x 60 in.). The Thea, similar to the Lana but of raised, fire-proofed cotton, is available in two sizes: 36 x 56 in. and 50 x 60 in. The Una, another isopad variety, measuring only 30 x 48 in., is equipped with a single-heat switch.



Left: The Isopad Lana pure-wool electric blanket bearing the "kite" mark of the British Standards Institution; right, a blanket being subjected to a potential of 1,000 volts for one minute, a test it survived without breakdown.

MACHINERY AND PLANT

Porous Ceramic Filter Media. — Porsilex ceramic material manufactured by Aerox, Ltd., Compton Way, Crawley, Sussex, is mechanically strong, durable and resistant to most corrosive fluids. Its pore density is controlled in manufacture to give a variety of pore sizes to provide filter media for diverse purposes. Messrs. Aerox also make air and gas filters, aerators and diffusers.

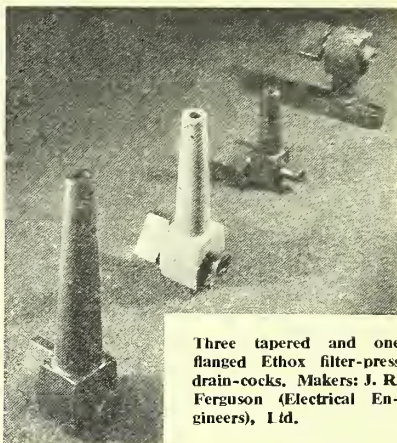
Lecture-room Pump. — A rotary vacuum pump and compressor, silent enough for use in lecture-demonstrations in which such apparatus is called for, is the Medivac, manufactured by Edwards High Vacuum, Ltd., Manor Royal, Crawley, Sussex. The pump may be had as a baseplate or trolley-mounted unit, calls for minimum maintenance and is light in weight. It is suitable for many laboratory operations such as filtration.

Tablet Counting and Filling. — A machine that counts compressed tablets, coated tablets, pills or capsules, and fills them into tubes, bottles, to the exact number required, is manufactured by B.U. Supplies and Machinery Co., Ltd., Law Street, Leicester. The machine may be quickly adapted from one type of product to another, from one type of container to another, or for count. Its range is from 5 mm. to 25 mm. diameter in compressed tablets, and up to 15 mm. diameter in coated tablets.

Ready-for-use Bottle Cleaner. — The Apex rotary hydro bottle-cleaning machine manufactured by R. Powley & Sons, Ltd., St. Marks Road, Sunderland, is claimed to be the only machine with the features that it is delivered completely assembled and requires no special foundations. The parts of the machine, which requires a single operator, are completely accessible. The machine is supplied for either steam or circulating-boiler heating or with built-in gas-fired injectors.

Washing Oil-contaminated Bottles. — The Grangemouth oil-bottle cleaning machine manufactured by the Thomas Hill Engineering Co. (Hull), Ltd., 247 Beverley Road, Hull, Yorks, enables sample oil bottles to be effectively cleaned for re-use in the laboratory. The machine provides a long solvent rinse from a galvanised steel feed tank (spent rinsing fluid is returned to the tank through a strainer for recirculation); a long hot-detergent rinse from a galvanised steel feed tank (spent rinsing fluid is returned to the tank through a strainer for recirculation); and a final hot mains-water rinse by means of steam and water thermostatic mixing valve (spent rinsing fluid runs to waste).

Ethoxylene Drain-cocks. — Mouldings that are resistant to ageing and are claimed to have a high chemical resistance are now available in the form of drain-cocks for filter presses, as stop valves, etc. The Ethox mouldings of J. R. Ferguson (Electrical Engineers), Ltd., Tameside Works, Dukinfield, Ches, are cast with ethoxylene epoxy resin. The tensile strength of the material is of the order of 2,000 to

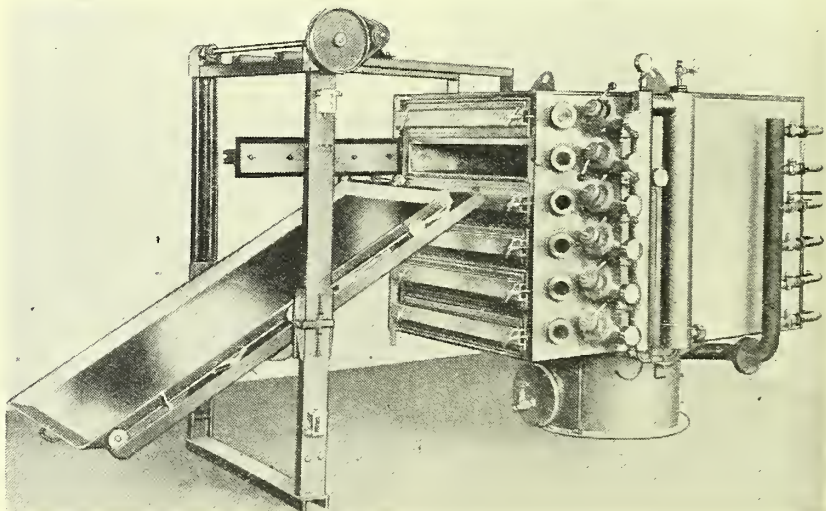


Three tapered and one flanged Ethox filter-press drain-cocks. Makers: J. R. Ferguson (Electrical Engineers), Ltd.

3,000 lb. per sq. in. at 120° C. Mouldings made with the material are tough, tasteless, odourless and non-toxic. They have accurately positioned faces and inserts. The drain-cocks illustrated are graphite-filled to give self-lubrication. They are made in sizes from $\frac{1}{4}$ in. to $\frac{3}{8}$ in. bore, flanged or tapered.

Vacuum Shelf Dryer. — Calmic Engineering Co., Ltd., Crewe, Ches, are commencing manufacture in this country of a new type of vacuum shelf dryer. The machine is claimed to have greatly improved thermal conductivity over conventional machines and is capable of semi-continuous operation. It can, in the absence of air and light, dry many pharmaceutical products, dyestuffs, food extracts, yeast and yeast extracts, pepsin, pectin, photo-hormones, fine chemicals, etc. The machine has jacketed trays, and the steam used in the jacket of the trays is at a pressure below atmospheric and therefore at a temperature below 100° C. Working at 30 mm. Hg absolute or approximately 29 in. of mercury (the normal working vacuum of the oven) the temperature in the trays can be as low as 25° C. The cylindrical chamber under the dryer is filled partly with water and partly with subatmospheric steam. The atmospheric steam

enters the chamber through a thermostatic controller with a bulb in the water. The temperature of the steam leaving the chamber is thus controlled before it passes through the pipe to the valves at the back of the machine. From there the steam passes through special stop valves at the back of each compartment, and the valves are so arranged that no steam passes unless the tray is inserted in the oven. The steam passes into the jacket of the tray when the tray is in position, and leaves the tray as either steam or condensate through a small nozzle (seen in the front and right-hand side of the dryer in illustration). The nozzle discharges immediately into the opening of the appropriate vacuum valve on the right-hand side of the dryer. Steam and condensate, together with the vapours from the drying material, pass through a water-sprayed condenser to the vacuum pump. Top and bottom of each compartment of the dryer are also heated with steam coils to avoid condensation during the drying process. The dryer thus has the advantages of semi-continuous operation (each tray having its individual compartment), normally giving 30 mm. Hg absolute within five minutes of closing the door; rapid, even drying, normally giving approximately 2 lb. per sq. ft. per hour evaporation with water only and an efficiency figure of between 1.1 and 1.3 lb. steam per lb. of moisture evaporated; drying at down to 35° C. or 95° F. for practical purposes with subatmospheric steam in the steam jackets of the trays; and rapid inexpensive loading and unloading of the trays with a simple elevator which obviates tray replacement (they only have to be tilted to empty into a truck or bogie). The standard units have trays approximately 3 x 6 ft. and with any number up to six trays per machine. A small pilot plant machine with single steam-jacketed tray, giving an area of 3 sq. ft., is also available. In cost, the dryer compares favourably with conventional types of vacuum shelf dryer on the market. Delivery of models in stainless steel is in the region of three months.



Vacuum shelf dryer (Calmic Engineering Co., Ltd.).

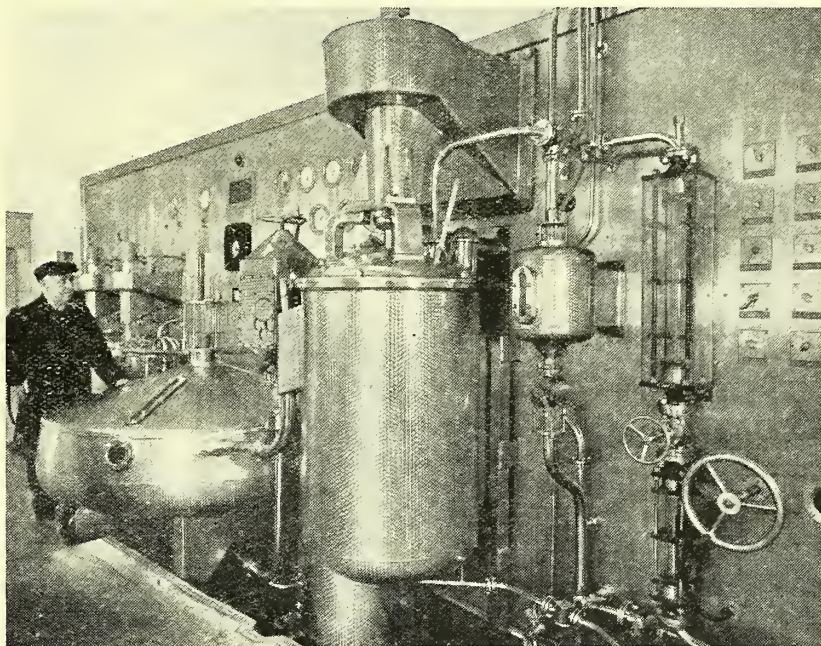
IN PURSUIT OF INDUSTRIAL SAFETY

Remote control the aim in taming an explosive

THE steps which Imperial Chemical Industries, Ltd., have taken in recent years to secure the safest possible conditions for their chemical workers reach a new peak in the handling at Ardeer, Ayrshire, of one of the most dangerous of bulk chemicals: nitroglycerin. Plant recently installed at the largest factory of its kind in Europe makes remote control a possibility realisable within months. Already the nitrating house (in which the most dangerous part of the process takes place) contains an instrument desk from which the entire unit is controlled. Operators are being acclimatised to its use, and eventually the desk will be transferred to a separate concrete building outside the mound surrounding the nitrating house. The progress of the nitrating operation will then be watched by television cameras and thrown on to screens in the control building.

The newly installed unit is based on a method of continuous manufacture of nitroglycerin devised by Dr. Mario Biazzi, an Italian-born engineer of Swiss nationality. The method is not new: it was devised in 1935. It is being installed now at Ardeer (where another continuous process has been in operation for many years), because (1) it is a more compact plant than was previously available; (2) it reduces the amount of nitroglycerin in process; and (3) it can be adapted to remote control.

Chemically, the manufacture is a process of nitration of glycerin with mixed sulphuric and nitric acids. Originally it consisted merely of adding glycerin to the acid mixture in jugs, and stirring with glass rods. About 1870 lead nitrators, fitted with cooling coils and capable of producing 2,000 lb. of nitroglycerin per nitration, were in fairly general use, with agitation by passage of air through the vessel. The danger in nitroglycerin manufacture resides in the fact that the product is sensitive to detonation by friction and impact, and may also ignite to detonation by the oxidative changes that take place in waste-acid mixtures at certain dilutions.



Into the highly polished stainless steel nitrator (centre of picture) are fed glycerin and the nitric/sulphuric acid mixture in correct ratio. The mixture is agitated by a high-speed stirrer with its own totally enclosed motor above, and cooled by a sealed spiral system of coils. The resulting emulsion of nitroglycerin and spent acids passes into the stainless steel separating vessel, left, with sighting glasses to enable the progress of the separation to be watched.

In the Biazzi process the plant is constructed of highly polished stainless steel, the polished surface preventing the accumulation of pockets of nitroglycerin. The unit consists essentially of a nitrator, separator, and mechanically stirred washers. Cooling is by a sealed spiral system of coils in which sodium nitrate brine at -5°C . is circulated during nitration to maintain the temperature at $10-15^{\circ}\text{C}$. Agitation is provided by a high-speed stirrer, which circulates the emulsion around the cooling coils before it flows off continuously through an overflow to the separator. Glycerin and mixed acid, in correct ratio, are fed in at the top of the nitrator, and the

emulsion of nitroglycerin and spent acid passes on to a circular separator, which it enters tangentially, thus imparting a rotating movement to the contents. That helps to accelerate separation of the nitroglycerin from the refuse acid. In the separating vessel are three sight glasses which permit the separating process to be observed. Separated nitroglycerin flows off continuously from the top, and spent acid leaves at the bottom.

Little in "Free" Condition

Of the 1,350 lb. of nitroglycerin in the nitrating room, only 125 lb. is estimated to occur free, the remainder being in the comparatively safe emulsified condition. The acidic nitroglycerin, flowing into the first of three mechanically agitated wash vessels, comes into contact with an equal volume of 12 per cent, sodium carbonate solution. A fine emulsion is formed, which flows into a second and third washers and from the third to a storage house. An elaborate system of safety devices minimises the effects of any mistake by an operator; draws his attention to the irregular functioning of any part of the unit (the fault is named in words that light up on a screen); and enables him to take immediate action to minimise damage. The further aim is to set in action automatic devices to counteract any such irregularity if the operator's intervention fails.

Even though the Ardeer Biazzi unit, with remote control as an immediate prospect, is the most advanced type of nitroglycerin manufacturing unit in the world, efforts are being continued to make the process even safer.



From the foot of the separating vessel (left, in top picture) the spent acid passes down to a dilution chamber. The nitroglycerin flows off continuously from the top into the first of three neutralising wash vessels and thence to store. Near the top right-hand corner of the picture may be seen the dark panel on which an illuminated indication of the fault appears if anything goes wrong. Below it is a pH meter.

Lederle is saying

ADVERTISEMENT

JULY 14, 1956

BRITISH MEDICAL JOURNAL



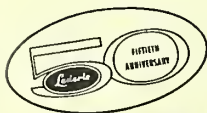
In difficult situations, successful recovery depends largely on the countermeasures adopted. This is particularly so in dealing with many of the skin infections met with at this time of the year. ACHROMYCIN tetracycline is acknowledged to possess outstanding merits in controlling pyogenic infections of the skin and for the prevention of infection in wounds and abrasions. To the doctor it offers unsurpassed scope in antibiotic therapy of the skin... to the patient it promises assurance of speedy, uneventful recovery.

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

A Rating Appeal Succeeds

A SUCCESSFUL rating appeal before the Portsmouth Lands Tribunal recently indicates possible lines of attack for other appellants. On an owner-occupied combination of three shops in that town there were in 1934 two rating assessments (of £376 and £57, both gross). They remained until 1947, when the town council gave instructions for a revaluation. As a result, the two assessments were combined into a single new assessment of £1,350 gross, and an appeal against the new assessment was unsuccessful. In 1952 the premises were extended at the rear, and the assessment was increased to £1,435 gross. The ratepayers appealed, but, when the case was heard by a local valuation court, the assessment was confirmed. The ratepayers then appealed to the Lands Tribunal on three main grounds:—(1) That there should be a percentage deduction for "quantity"; (2) that there should be a greater percentage deduction for inconvenience; and (3) that there should be a deduction for loss of trade.

The "quantity" argument was that, where several shops have been knocked into one, the rating assessment should be less than the total rating of the separate units. The second point was that a higgledy-piggledy combination of three shops is a far less attractive rental proposition than a single modern unit with the same floor space. The third point was a special local point arising from the fact that two main shopping areas in Portsmouth were badly bombed during the war. As a result, the area in which the premises were situated gained some trade, which fell away again when the bombed areas were rebuilt.

All the valuers concerned in the case adopted the zoning method of valuation, using a value of 12s. 6d. per sq. ft. for zone A—the most valuable part of the premises (the part available for display of goods and reception of public). The ratepayers' valuer made three percentage deductions from his gross figure: 10 per cent. for quantity allowance; 25 per cent. for age and inconvenience; and 20 per cent. for fall in trade. The valuation officer deducted only 10 per cent. from the value of the shop to allow for the piecemeal design, the valuer for Portsmouth Council allowing 10 per cent. for that and for inconvenience of layout, applying the deduction to the shop and showrooms.

Neither the valuation officer nor the Portsmouth Council valuer made any allowance for quantity, the valuation officer producing a "schedule of comparables" showing that it was not general practice in Portsmouth to make such an allowance. A question

whether any such allowance had been made in arriving at the 1955 revaluation was disallowed. The Council's valuer maintained that the shop was not of sufficient size to warrant a quantity allowance, an argument not accepted by the Lands Tribunal officer. The schedule of comparables showed that the average shop area was between 1,000 and 2,000 sq. ft.; the claimants had 4,500 sq. ft. and he thought that a quantity allowance of 5 per cent. ought to be given. The Lands Tribunal officer thought that, on the "piecemeal" issue, though the ratepayers had done everything possible to open up the interior, the premises were patently obviously an adaptation of three separate shops, and the small rooms, both on the ground floor and the first floor, detracted considerably from the attraction of the building. He decided to allow 20 per cent. for piecemeal design. The officer also thought that the resurgence of the bombed areas must have had an adverse effect on trade at the premises, though he was not satisfied that the reduction in turnover had had time to reflect itself in a reduction in rental value, and he would make no allowance for that. There was an inference that it might become a valid ground of appeal at a later date. There remained the question from what portion of the premises should the 5-per-cent. and 20-per-cent. deductions be made. Quantity and disability the officer regarded as matters affecting a building as a whole. In offering a rent, a prospective tenant would tend to look at the whole property. In the present case the ratepayers (who must be presumed to ask for as much as they think they can justify), applied the allowances only to the shop, side rooms, and first-floor showrooms.

Accordingly the Lands Tribunal officer said that the allowance would be restricted to those portions of the premises, and the assessment would be reduced to £1,235 gross value, the valuation officer and rating authority to be jointly responsible for paying the costs of the appeal.

Seventy-five Years Old

AT its seventy-fifth annual meeting in London this week the Society of Chemical Industry has received congratulatory messages, many of them recorded on scrolls, from a score of kindred scientific and technical societies in Britain and from as many overseas bodies. We add our own cordial congratulations.

Founded in 1881 principally to arrange scientific meetings and publish journals, the Society's interests extend far beyond the industry itself, embracing all industrial applications of chemistry. Its ten specialist groups include sections concerned with chemical engineering, food, plastics, fine chemicals, microbiology, oils and fats, and pesticides. Most of the meetings of the fine chemicals group are briefly reported in these columns and the activities of some of the other groups receive notice but of a necessarily more attenuated kind. In that way we patently acknowledge the valuable services the Society renders to the sections of the industry with which we are more particularly concerned. Without the reciprocal support of the industry the Society would not have maintained its robust and energetic existence through three-quarters of a century. In the new home in which it will shortly be settling in at 14 Belgrave Square we wish it advancement to new levels of distinction and many more celebrations of equal periods of activity.

Correspondence

Worth Preserving

SIR,—What nostalgic memories of Birmingham of old days the photograph of Southall's pharmacy (C. & D., July 7, p. 15) evoked. The very appearance of the "professional" pharmacy of T. & W. & W. Southall recalled more serene days of pharmacy. I do hope that the shop facia will be preserved, if only in a museum, for I think that it was one of the few remaining examples that gave "atmosphere" to our profession. When I compare it with certain chromium-plated modern examples, the advantage is all with the earlier style of architecture.

TRADITIONALIST

Bureaucratic Victims

SIR,—It is just possible that one or two pharmacists may have noticed two recent news items in the sphere of the National Health Service. Two members of the public, found guilty of altering prescriptions in order to obtain increased quantities—guilty, mark you, of the double offence of forgery and theft—"had the serious nature of the offence duly impressed upon them." When I read that, I must confess to a deplorable lapse of professional and gentlemanly behaviour. I actually emitted a vulgar guffaw—an echo, no

doubt, of the guffaws of the two anonymous patients mentioned above. I thought everyone knew that the only way to touch people like this is to "touch" them in their pockets—good and hard. Evidently I was too optimistic. On the same page a Committee recommended that a fine of £2 2s. should be imposed on still another unfortunate harassed pharmacist, presumably after a full and equitable investigation. The Minister, however, recommended substituting a fine of £10 10s. The Committee reconsidered (*sic*) the case, changed its mind, and "re-recommended" the ten-guinea fine! Will the worm never turn? It appears to me that retail pharmacists have set up an all-time record in willingness to lie down and say, "Come on, kick me." Yet I do notice, I think, a cloud forming on the horizon, as yet no bigger than a man's hand. An increasing number of pharmacists are becoming aware of the continued advance of the bureaucratic machine, created, it would appear, to victimise the ordinary fellow overtaken in a fault, no matter how inadvertent his error. Two or three years ago I warned pharmacists in retail practice that this would happen, so perhaps I may be excused a kind of inverted satisfaction, for any satisfaction in a matter like this must necessarily be bitter-sweet. At the time I was

rather astonished at the lack of response from my brother pharmacists. I believe I received exactly one letter and one morsel of verbal support. I suppose most of us are so intent on the material aspects of business life—and it must be admitted that such intentness certainly brings in a financial harvest—that we are unable to raise our heads, open our eyes, and look around at the broad and the moral aspects of the pharmaceutical landscape. Meanwhile the bureaucratic bulldozer grinds inexorably on, with a gathering momentum. Those of us who at present are in an escapist paradise, or, blandly unconcerned, will sooner or later be compelled, in a most uncomfortable way, to pay attention. Then the cry will go up, "Why weren't we told?" The answer will have to be "You were told, yet you took no notice."

Bodmin

F. WARREN

Appreciated

CONGRATULATIONS on a new high in special numbers.—G.G.G.

PARTICULARLY must I congratulate you on the article with coloured plates of tablets and capsules, and also the article on the pharmacy jars.—J.W.

AT most of my calls this week the A.S.I. has been in evidence and there have been many complimentary remarks on the excellence of this issue.—G.S.

MEDICAL ABSTRACTS

PROPANTHELINE BROMIDE TRIALS

Two controlled trials of propantheline bromide in the treatment of enuretic children are described in the *British Medical Journal*. In the first, carried out by Leys (*ibid.*, 1956, 1, 549) sixty-five children completed the trial, their ages varying from five to fifteen. The drug was found to have a limited but definite action in reducing the number of wet beds, though it is emphasised that treatment with such remedies should be used only as an adjuvant to therapy designed to remove the emotional cause of enuresis in children. As a result of the second trial, in which a smaller number of children took part, Mayon-White (*ibid.*, 1956, 1, 550) reports that the improvement observed in the majority of cases was independent of the propantheline treatment, and was probably due to the routine treatment, with its confident emphasis on the child's ability to be dry at night. It is stated that no significant effect ascribable to the drug was demonstrated.

PROPERTIES OF A NEUTRAL SOAP

AN investigation, in laboratory and hospital, into the properties of Neutrogena neutral soap is described by Martin-Scott and Ramsay (*British Medical Journal*, 1956, 1, 1525). In the laboratory investigation, samples of skin fat were removed from the skin with ethyl ether, weighed, and dissolved in petroleum ether. A small aliquot of the solution was placed on a monomolecular oil film floating on water. The petroleum ether evaporated leaving a colourless monomolecular film of fat. The ratio of the weight of fatty substance to the area of the film was called the skin-fat factor. The skin-fat factor obtained after washing the skin with the neutral soap was compared with that obtained after washing with water, alcohol and ordinary toilet soap. Washing with ordinary toilet soap produced a significant reduction in the factor, but washing with the neutral soap did not alter the factor from the normal value. The authors conclude that there is no layer of neutral soap adsorbed on the skin surface, as with common types of toilet soap, but the neutral soap is quickly and easily rinsed off leaving the skin clean and with normal pH.

In the clinical evaluation, samples of soap were given to five main groups of patients: Infantile eczemas (twenty-three cases); eczema of the hands (forty); flexural pruriginous eczema (nine); ward cases (eighteen); and miscellaneous cases (eleven). Results in the infantile eczema group showed that the soap was well tolerated by children with subacute infantile eczema commonly associated with xeroderma; in eczema of the hands, results were uniformly good in thirty-nine of the forty cases and no clinical regression was noted while the soap was being used, the exception being a case of industrial dermatitis; patients with flexural pruriginous eczema who could not tolerate ordinary soap, found the neutral soap not harmful and its use did not delay healing; among ward patients, in infected seborrhoeic cases progress was more rapid using the soap than when using cleansing emulsions, and two patients with exfoliative dermatitis and two with pemphigus were able to indulge in baths when the skin was healed but not yet of normal texture; among the miscellaneous cases two patients with facial pigmentation due to scented cosmetics were much improved after using the soap. The authors conclude that the soap is a useful addition to the armamentarium of dermatological practice. It seems to prevent denaturing of the normal skin, can be used with confidence, in cases of subacute eczema, and is well tolerated in cases of acute and secondarily infected eczema.

ECHOES OF THE PAST ANOTHER BALSAME

From *The Marrow of Chirurgery* (addition),
by James Cooke, Warwick, 1647

TAKE of the red and ripe Seeds of Woodbind (especially the wilde, which are ripe in September) a Peck or more, and set them in horse dung close for 8 dayes, in the body of a Still, after put on the head, and distill it in Bal. pour on the water again, and set it again in the dung 24 houres; then distill it in ashes, after separate the oyle *per Bal.* whose force is admirable in the cure of wounds, surpassing that of *Egypt* or *India*, saith my Author.

"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE SPECIAL PROBLEMS OF THE PHARMACIST IN RETAIL PRACTICE

By E. C. TENNER



IT begins in January every year. The holiday list is put up. With long experience, one name is always on it first, the *guy*'nor's. That choice made, the others follow, but what a gamble it is, with all the year to choose from and winter gales blowing into the shop door. Yet he must give the lead, and if he's wise he'll do no more till mid-February. Then, if there are any stakes not claimed, a tactful hint will produce the desired result or reveal a difficulty that he must iron out, and it's surprising how rarely such difficulties arise. Before the end of February his own locum should be booked and each of his staff in a position to make definite holiday arrangements. The wisdom of such planning is revealed in May, June and July by the frantic advertisements for locums in the pharmaceutical Press.

Away from it all

By mid-June the holidays should be in full swing. The present writer does not want to drive to Spain or Switzerland, Denmark or Slovakia. He wants to forget his customers, not to meet them all along the way! He will probably see their holiday photos anyway. So he's picked a holiday where he can indulge his favourite pastimes in greatest comfort. To get there he has passed by many pharmacies, and it would be unnatural had he passed them uncritically. Too many of them seemed dull outside and dark inside. However clean they were they did not give a modern aseptic impression. Modern trends in hospital, clinic and surgery design must not be allowed to leave pharmacies behind. The whole pharmacy can be the biggest, best and cheapest of ethically correct advertisements. It should be fully exploited to announce to every passer and caller that here is the place where medicines are compounded and understood, and where confidence will not be misplaced. The pharmacies of this country are apparently not at present pressing the vital claim that all medicines should be obtained through their doors. Films and face-powder, brushes and bathing-caps monopolise their window displays. Only rarely are thought and space observed allotted to the display of medicine, with all its romantic facets that are so truly the proper province of the pharmacist. Pharmacy windows seem to show that too many pharmacists take their eyes off the ball of their fortune: medicine. That does not mean that other departments allied to medicine, chemistry and hygiene ought to be neglected. Quite the opposite, in fact. . . .

On the third day of a care-free holiday how sudden, salutary and surprising to receive a letter announcing the notice of a junior assistant aged seventeen and a half years. She is to marry in a month and will not be continuing to work! Here is the human touch indeed, reminding the boss that his staff have serious problems quite unconnected with the pharmacy. Yet can he be blamed if he wonders, somewhat vehemently, how he will find and train another attractive young woman on his return and before the summer season is over? Nowadays staff welfare is not the least headache of the *guy*'nor of even the smallest staff, and the first hour after return from holiday can be an anxious one until he learns all is as it was before he went away. Meanwhile the holiday is still on, and the expensive locum must be left to cope. The right man is worth every penny he charges, and should be booked a year ahead if necessary. The wrong man charges just as much and ruins the holiday. The best insurance of a successful holiday is an efficient, loyal and con-

tented regular staff that will, if necessary, "carry" the locum.

At a meeting (by arrangement) with a holiday-making doctor friend who practises in another part of the country, and a chat, as usual, about the National Health Service, stress was laid on the fierce competition for patients that often exists between neighbouring doctors, and about how unscrupulous patients attempt to use it to obtain supplies of unnecessary medicines. Pursuing the doctor's headaches, the question was posed: "What do you dislike most in a pharmacist?" The answer came very readily: "The pharmacist discussing my prescription with my patient." We all recognise the questions asked by the patient who wants to know about his medicine. Imagining, quite wrongly, that the chemist can spot the doctor's diagnosis from the drugs ordered he tries to check whether it has agreed with his own self-estimation. We also know the type of clever patient who, having read, often incorrectly, his prescription, would enjoy a discussion with his chemist about the suitability of the drug and the dose chosen by his doctor. A seemingly harmless comment by the chemist, uttered probably only for the purpose of satisfying the importunate patient may still, even if not exaggerated and repeated, do irreparable harm to the doctor-patient relationship. No thought at all is needed to establish the wisdom and good manners of sticking rigidly to the time-honoured principle that a patient's prescription cannot be disclosed or discussed. That policy will save much valuable time and will do nothing to weaken the patient's confidence in his chemist. How can the chemist possibly guess at what was in the doctor's mind anyway?

The usual remarks about incomplete prescriptions, and doctors' bad writing, attracted a description of frequent cases where the prescriber deliberately sets out to make the script illegible to the "knowing" patient, the chemist being expected to 'phone for elucidation if necessary (and, please, to 'phone in surgery hours to spare the doctor's harassed wife). The particular doctor of the chat had no strong opinion about the removal of manufacturers' labels and advertisements from prescribed proprietaries, but a pharmacist feels that here again the traditionally good dispensing practice of removal is always safest and best, even though it does lead to a hateful patient's demanding visual proof that the medicine is as ordered. Incidentally, that would not happen often if every pharmacist practised removal.

Stretching the "Holiday Spirit"

On peaceful holiday it is easy to conclude with a resolution to remember always that staff and doctors are only human, that patients are either ill or believe they are, and that all should be treated with unlimited tolerance. The devil of it is that the holiday spirit has to be made to last all the year round.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

TYRALGIN ampoules
PHRING
AGERCOVAC
PARADRINE eye drops

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

COMMITTEE APPROVES EDUCATION PLAN

But recommendation to Council deferred

THE Council of the Pharmaceutical Society held a meeting in London on July 3.

The Education Committee's report stated that the Committee had further considered its subcommittee's interim report on educational policy (see *C. & D.*, April 21, p. 301) in the light of comments on the report made by the Scottish Executive. The Committee also had before it draft revised regulations for registration as a "student" of the Society and for the proposed Entrance examination. The proposals were in general approved but a recommendation to Council was deferred pending minor drafting alterations, and the views of the Scottish Department upon them.

THE PRESIDENT reported with regret the death of Mr. Thomas Wilson (*C. & D.*, June 30, p. 565).

The Ontario College of Pharmacy notified the conferment on Mr. Cyril Wilkins (a member of the Society resident in the Province of Ontario for about twenty-four years) of honorary membership of the College in recognition of his significant contributions to pharmacy in Canada. It was decided to send congratulations to Mr. Wilkins.

In 1955 a special appeal for funds was sent to all pharmacists by the British Empire Leprosy Relief Association. It was reported to the Council that a letter had been received by Mr. E. A. Brocklehurst (then president) from Lord Halifax (president of B.E.L.R.A.) stating that the appeal had raised £1,500, the largest contribution from any society or group for several years, and thanking members for their contributions.

The report of the British Pharmaceutical Conference Executive stated that, up to June 6, 433 applications for tickets for the Dublin meeting of the Conference and twenty-five indications of intention to submit papers for the science sessions had been received.

It was decided to defer for one year the question of an increase in the Branch grant. The Council approved a proposal for the amalgamation of the Lancaster and Morecambe, and the Westmorland Branches, the combined Branch to be called the "Lancaster, Morecambe and Westmorland Branch."

Drop in Number of "Students"

The report of the Education Committee stated that in June, twelve persons had been registered as "students," making a total of 181 in the current year, against 264 in the corresponding period of the previous year. Mr. J. C. BLOOMFIELD asked whether there was any special significance in the drop of eighty-three indicated. Mr. C. W. MAPLETHORPE (chairman of the Committee) said that it was difficult to attach a particular significance to the figures, although it appeared that there was a decline. Some students studied the necessary subjects at advanced level before registering and thus obtained exemption from the Intermediate examination, coming within the Society's orbit at a later stage. More candidates were now taking degree courses, and that tended to lessen the number of student registrations. Inquiries were being made of the schools of pharmacy to ascertain the numbers of students entering upon the final course either for the Society's diploma or for a degree, and that information might provide a more complete picture. Mr. J. M. Dowty reported to the Committee on the interview that he and Mr. Bloomfield had had with the headmaster of Brockenhurst county grammar school in connection with a careers exhibition, and THE SECRETARY was asked to proceed with arrangements for the Society's exhibit at the school's careers exhibition on the lines of that report. The chairman of the Committee undertook to examine the question of publicity for recruits to pharmacy.

The Council approved arrangements for the circulation to all members of a memorandum proposing the formation of a group under the British United Provident Association and its Scottish branch, the Scottish Nuffield Provident Society, to enable members to obtain private specialist treatment and other hospital benefits on special terms.

Consideration by the Finance Committee of the Branch Representatives' resolution on superannuation for pharmacists was again deferred, pending the passage of the Finance Bill into law.

The Public Services Committee is preparing a memorandum for the Council on policy on Regional Pharmaceutical Advisory Committees.

It was agreed that Dr. K. R. Capper (editor of the Society's Scientific Publications) should be asked to attend, as the Society's representative, a meeting of representatives of pharmaceutical manufacturers, the glass industry, and staff from Harwell and the Ministry of Health, to discuss the radiation sterilisation of pharmaceutical preparations.

Franco-British Commission

The report of the British section of the Franco-British Pharmaceutical Commission stated that good reports had been received from British and French local centres on the value of the lecture tours undertaken under the auspices of the Commission. Of the research scholarship in Paris awarded to Mr. K. H. Palmer, it was noted that the Dean of the Faculty of Pharmacy (Professor Fabre) had expressed satisfaction with that first experiment in an exchange of students. The British section recommended that the Council of the Society should include in its educational grants for 1957-58, £500 a year for a similar research scholarship in a French university to be held by a British pharmacist recommended by the Commission. In its report on the recent congress at Folkestone (see *C. & D.*, June 16, p. 512) the section recorded the widely expressed opinion of members that that was the most successful congress so far held in achieving the main objective of fraternisation between French and British. It was stated that there were now 281 British and seventy-three French associate members of the Commission. Holiday and correspondence exchanges had increased and many exchanges of visits initiated with the help of the Commission or through meetings at congresses had been continued by private arrangements.

Members of Council commented on the importance of ensuring adequate attendances at the meetings in British centres addressed by visiting French lecturers. That had not in every case been achieved during the recent tour. The suggestion was made that when Branches were giving publicity to forthcoming visits by French lecturers that should extend to the whole region from which pharmacists might be able to attend.

A letter was received from the secretary-general of the International Pharmaceutical Federation conveying the agenda for the meeting of its council being held at Hamburg on September 28. Among the items to be discussed was the report of a committee proposing that international pharmaceutical congresses should be held either in conjunction with or distinct from the general assemblies of the Federation. Such congresses would be the means of expression of the Federation's professional and scientific activities, the general assembly remaining the governing body. It was hoped that the scientific side of a congress would be organised by the scientific section of the Federation in conformity with the instructions of the Council with the approval of the Bureau. The Federation's proposals for improving on the bulletin of the Federation were submitted. The Society was asked to give its opinion

on the importance of homœopathic pharmacy [in Great Britain] and the extent of pharmacists' activity in that field; and whether it was considered desirable to found a homœopathic section within the Federation. It was agreed to inform the Federation that the Council could not support the proposal to form a homœopathic section of the Federation.

MR. W. J. TRISTRAM called attention to the fact that the list of additions to the London library of the Society included a book called *The History of Magic*. There was no association between magic and pharmacy, and the Council had always objected to such slogans as "acts like magic" in connection with the sale of pharmaceutical preparations. He wondered whether a book of that type had any place in the Society's library. DR. B. A. YOUNG (chairman of the Establishment and Publications Committee) replied that he understood that students of the history of pharmacy were interested in that subject, which was linked with the subject of alchemy. Students of pharmaceutical history had to learn about what went on in the distant past.

It was agreed to investigate the question of dividing the presidential chain into a smaller part to be worn by the president and another part that would become one of the Society's historical exhibits.

The Council granted a request for permission to incorporate the Society's coat of arms in a design for a stained glass window to be placed in the chapel of Cardiff Royal Infirmary as a memorial to the late Mr. A. S. Johnson, a former member of the Society.

The Benevolent Fund and War Aid Committee's report showed that grants had been made to four widows and three members, amounting to £288. A recommendation for a grant of £156 to another widow was approved. One application was deferred. Grants authorised by the chairman to two beneficiaries for special purposes, were approved. The quarterly report showed that in the three months to June thirty-eight grants were made from the Benevolent Fund, amounting to £2,320. That was the same number as in the June quarter of 1955, when the amount was £2,160. In the first six months of 1956 the income of the fund was £14,605, including subscriptions of £7,170, against £10,611 (subscriptions £6,739) in the first half of 1955. Expenditure in the six months to June 1956 was £8,216. The receipt was reported of a legacy of £10 to the Benevolent Fund and £10 to the Orphan Fund from the estate of the late Mr. Joseph A. West, Torquay.

The Warden's report stated that in the month to June 16, sixty-one guests stayed at Birdsgrove House for an aggregate of eighty-four weeks, against forty-eight guests and seventy-seven weeks in the same period of 1955.

Chairmen of Committees

The following Committees of the Council re-appointed their previous chairmen for the ensuing year:—Education, Mr. C. W. Maplethorpe; Benevolent Fund and War Aid, Mr. T. Heseltine; Establishment and Publications, Dr. B. A. Young; Organisation, Mr. G. Hughes; Finance, the treasurer; Law, Mr. J. M. Dowty; Ethical, Mr. W. T. Elder. The appointment of a chairman of the Public Services Committee was deferred. The Education Committee agreed that its chairman, with Professors Berry and Brindle, Miss Burr, Messrs. Grainger and Hudson, Professor Macdonald, Messrs. Oliver and Reid, and Professor Todd, should constitute the educational policy subcommittee for 1956–57.

PROFESSOR A. D. MACDONALD and the SECRETARY AND REGISTRAR gave an account of their visit to Belgrade to attend the second congress of the Union of Pharmaceutical Societies of Yugoslavia, June 21–25. The Council instructed that a letter of appreciation of the reception accorded the visitors should be sent to the Union.

On the recommendation of the Law Committee, seven applications for reciprocal registration under Section XIX (16) of the Society's By-laws were approved. Authority was given for the registration of four other applicants under

the same By-law, and of two applicants under Section XIX (14) on submission of the required documents and payment of the prescribed fees. A list of the names of 403 persons who had not paid their retention fees for the current year was submitted, and the Council authorised their removal from the Register of Pharmaceutical Chemists. A list was also submitted of ninety-six members who had not paid their retention fees for 1956, but who had intimated their wish to retire. One hundred and thirty premises in respect of which the retention fees had not been paid were removed from the Register of Premises.

The Law Committee's report stated that in May 1956 the Society's inspectors and agents visited 825 authorised sellers, twenty-one listed sellers, and 346 drug-store proprietors and similar traders. Ten cases of alleged infringements of the Pharmacy Acts were considered, and appropriate action was taken.

The Council accepted a recommendation that in future the Society's House should be closed on Saturdays.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly Meeting of Council

At a meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast recently, the vice-president (Mr. C. A. Quinn) in the chair, the seal of the Society was affixed to the regulations under which the new education programme of the Society is being introduced. The regulations are expected to come into operation on August 1. THE SECRETARY (Mr. William Gorman) was instructed to submit the regulations to the Ministry of Home Affairs for approval.

Also present at the meeting were Messrs. H. F. Moore, C. Moss, W. Tate, J. McGregor, H. W. Gamble, O.B.E., G. E. McIlhagger, P. R. W. Shinner and Dr. R. G. Bacon. Apologies were received from Messrs. F. R. Moore, W. H. Boyd, and from the president (Mr. S. E. Campbell).

MR. QUINN said that the president was recovering from an operation and was still confined to his home. He hoped that Mr. Campbell would soon be back in the presidential chair. Mr. Quinn also referred to an accident sustained by Mr. Fred Storey, C.B.E., who had fractured an arm in a fall and the Council directed the secretary to forward their wishes for a speedy recovery. Congratulations were extended to Dr. R. G. BACON on his appointment as a reader in organic chemistry at Queen's University, Belfast.

MR. GORMAN tabled a letter from the Photographic Dealers' Association and another from the Northern Ireland Branch of the British Medical Association thanking the Council for its co-operation and each enclosing cheques. It was agreed to donate both cheques to the Northern Ireland Chemists' Benevolent Fund.

The secretary of the History of Pharmacy Committee of the Pharmaceutical Society of Great Britain reminded the Council that in May 1955 he had asked if there was a comparable committee in Northern Ireland interested in exchanging information. Since that time work had continued and each Branch of the Pharmaceutical Society of Great Britain had been asked to appoint a correspondent to act as a link between the Committee and the Branches. A newsletter was being issued to keep Branch secretaries and the Branches informed of the committee's activities and if any Northern Ireland pharmacists were interested in receiving a copy he would be pleased to contact them. MR. GORMAN said that the Northern Ireland Society had no comparable committee.

MR. GORMAN referred to the recent recommendations of the House Committee on certain proposed redecoration work and structural alterations to the Society's House. He tabled a plan and estimate for alterations to the office at a cost of £175. It was agreed to accept the tender and proceed with the work. The report of the Finance Committee was adopted.

SHARE MOVEMENTS, April to June

BY A FINANCIAL CORRESPONDENT

TRADING and inquiry in the industrial department of the London Stock Exchange during the second quarter of 1956 were on a slightly larger scale. The mainly adverse share-price trend of the first quarter was even more pronounced. Factors mentioned as responsible were maintenance of the Government's anti-inflation measures, dismissals in a number of industries, and the presentation of wage claims. A number of drug trade company shares, however, moved against the general trend by recording gains. Timothy Whites & Taylors 5s. Ordinary, for example, closed 1s. 7½d. better at 25s. 10½d. and British Drug Houses 5s. Ordinary finished 1s. 1½d. higher at 13s. 6d. Elsewhere, Borax (Holdings) (the new name for Borax Consolidated) £1 Deferred again supplied one of the most outstanding features of the entire industrial department by closing 34s. 6d. better at £10½, making a total gain of 45s. during the past six months.

Monsanto Chemicals 5s. Ordinary continued to be the centre of regular business and inquiry, and closed a few pence easier at 24s. 4½d., after having been dealt in as high as 30s. 3d. Firmness coupled with a regular turnover was also evident in Reckitt & Colman Holdings £1 Ordinary, which finished nearly 4s. to the good.

Yardley & Co. 4s. Ordinary provided one of the best features of their section by closing 6s. 6d. higher at 32s. The company's 4s. A Ordinary class were similarly noteworthy, finishing 5s. 6d. better at 31s.

Adverse features were probably headed by Glaxo Laboratories' 10s. shares, which closed 3s. 6d. down at 27s. 6d.

Boots Pure Drug 5s. Ordinary finished 1s. 9d. down at 14s. 6d., making a loss of about 3s. 9d. per share since the beginning of the year. Southalls (Birmingham) 5s. Ordinary closed nearly 1s. higher at 7s. 10½d.

In the lower priced share group, Cussons, Sons & Co. 2s. finished a shade harder at 5s. 10½d., while Dufay 2s. closed a shade better at 1s. 2¼d.

Among Preference shares, the receding trend of the first quarter was not continued. Most changes were of small extent and irregular direction. Yardley & Co. £1 4½ per cent.'s were unaltered in value at 15s. The £1 5½ per cent. issue of the same company was priced sevenpence-halfpenny down at 17s. 6d. Boots (Eastern) £1 6 per cent.'s were valued sixpence down at 19s. 9d.

A Chartered Accountant gives answers to ANY BUSINESS QUESTIONS?

Our shop lease has not long to run—just over two years. Are we automatically entitled to renewal or must we terminate our tenancy at the owner's request? Is there any claim to compensation?

A SATISFACTORY tenant is entitled to the protection of the Landlord and Tenant Act, 1954, and a landlord would need special grounds on which he could obtain possession of shop premises at the end of a lease. If, having acquired the property more than five years previously, he could show that he required the premises for his own occupation, that would be adequate ground, and there would be no necessity on his part to enter into any renewal. If (except as an excuse for his own occupancy) he intended to arrange for demolition or reconstruction of the premises—and it would not then matter when he acquired the property—renewal could not be insisted on. Compensation would amount to twice the rateable value of the shop.

Since interest up to £15 on deposits in the Post Office Savings Bank is no longer chargeable to tax, am I required to include such interest on my income-tax return? My wife, too, has a Post Office account—is her interest part of the £15 limit?

IN the 1956 Budget the Chancellor of the Exchequer proposed to exempt from income tax the first £15 of total interest on deposits in the Post Office Savings Bank, and in the ordinary department of a Trustee Savings Bank which would, but for the exemption, be chargeable to tax on an individual for 1956-57. If a married woman has interest also, she qualifies for exemption independently of her husband. Thus, a married couple enjoy under the Budget an exemption of £30. Whatever the amount of the interest, it must be included in the tax return. That is necessary as, even though less than the exempted sum, it may affect other allowances. Moreover, for the purposes of surtax, the Inland Revenue have put forward that the interest tax-free is to be grossed at the standard rate to arrive at the charge for surtax.

Is it necessary to put a twopenny stamp on (a) a receipt where the transaction is for goods sold and (b) other receipts? May I, myself, at a later date put a stamp on an unstamped receipt, if it is so required?

THERE is no general exemption under which transactions other than for the sale of goods are excluded from the provisions of the Stamp Act, and every document, other than those concerning specific exceptions laid down, acknowledging a receipt of money is a "receipt" within the law, and as such is to be properly stamped with a twopenny stamp. The list of exceptions includes wages and salaries, directors' fees, and inter-company payments. Within fourteen days of its date, a receipt may be stamped on payment of a fine of £5, and within one month of its date on payment of a fine of £10. Those fines are payable by the person who presents the receipt for stamping. The duty of stamping, however, is primarily that of the creditor and it is therefore possible, if the payee does not wish to pay the fine himself to acquaint the Commissioners of Stamps of the position and they will take action accordingly in recovery of the fine.

NAME OF COMPANY £1 units unless otherwise stated	1956		
	HIGH	LOW	LATEST
	s. d.	s. d.	s. d.
Albright & Wilson, 5s. ...	21 9	17 0	18 3
Allen & Hanburys ...	54 3	51 9	53 1½
Do. 7% Prefd. Ord. ...	22 0	20 0	20 0
Ashe Chemicals, 1s. ...	1 8	1 1	1 3
Aspro-Nicholas, 5s. ...	19 10½	15 6	15 6
Beecham Group, 5s. ...	22 10½	19 1½	19 10½
Boots Pure Drug, 5s. ...	18 10½	13 9	14 6
Boots (Eastern) 6% Cum. Prefd. A ...	21 9	19 6	19 9
Do. (Western) 7% A Prefd. Ord. ...	23 0	21 6	22 9
Borax (Holdings) Defd. ...	240 0	156 10	217 6
British Drug Houses, 5s. ...	15 6	11 9	13 6
Cussons, Sons & Co., 2s. ...	7 0	5 0	5 10½
Dubarry Perfumery, 1s. ...	10	6	9
Dufay, 2s. ...	1 6	4	1 2½
Evans Medical Supplies, 5s. ...	7 10½	6 3	6 4½
Gee, Arnold M., 1s. ...	2 1½	1 8	1 10½
Glaxo Laboratories, 10s. ...	34 0	27 3	27 6
Do. 8% Prefd. Ord., 10s. ...	14 6	12 9	13 9
Greeff Chemical Holdings, 5s. ...	19 0	14 6	15 6
Howards & Sons ...	14 3	11 6	11 9
Ilford, 5s. ...	15 7½	11 4½	12 7½
Monsanto Chemicals, 5s. ...	30 3	22 9	24 4½
Reckitt & Colman Holdings ...	43 4½	34 6	42 3
Sangers, 5s. ...	15 9	12 3	13 9
Savory & Moore 5½% Red. Cum. Pref. ...	17 4½	15 6	16 6
Southalls (Birmingham), 5s. ...	8 4½	6 0	7 10½
Taylors (Cash Chemists) London 6% Cum. Prefd. ...	20 0	18 0	19 3
Do (Cash Chemists) Trust 6% Cum. Prefd. ...	19 3	18 0	19 0
Whites (Timothy) & Taylors, 5s. ...	28 7½	21 10½	25 10½
Do. 7½% Prefd. ...	25 3	22 10½	23 9
Yardley & Co., 4s. ...	32 0	26 10½	32 0
Do. A, 4s. ...	31 3	24 0	31 0
Do. 4½% Prefd. ...	16 4½	14 6	15 0
Do. 5½% Prefd. ...	19 3	17 0	17 6

An unusual degree of tolerance...



WELL tolerated by patients undergoing long-term aspirin therapy in rheumatic conditions; easily taken by those who are nauseated by crushed or dissolved aspirin, or who cannot swallow tablets, Paynocil presents aspirin in its most acceptable form.

Gastroscopic investigation has shown Paynocil to be superior to aspirin tablets in causing less inflammation of the gastric mucosa, a constant risk with prolonged treatment. Paynocil tablets are equally suitable for occasional analgesia.

They disintegrate pleasantly and rapidly on the tongue without water.

REFERENCES

Practitioner, 173: 46, 1954: Brit. med. J., 2: 7, 1955.
Ibid., Editorial 2: 31, 1955.

THE OX-PECKER, more commonly known as the Tick-Bird, is a native of Africa and is closely related to the Starling. Tick-Birds attend large game animals, moving about their backs in search of ticks—a service which would seem to merit thanks rather than mere tolerance. It is said they render a further service by making a hissing noise as a warning to their hosts at the approach of danger.

Each tablet contains

Acetylsalicylic acid 10 grains
Aminoacetic acid 5 grains

PRESENTATION

18 tablets (retail) 3/4d.
Tax free dispensing pack of 240
(dispensing cost) 21/8d.

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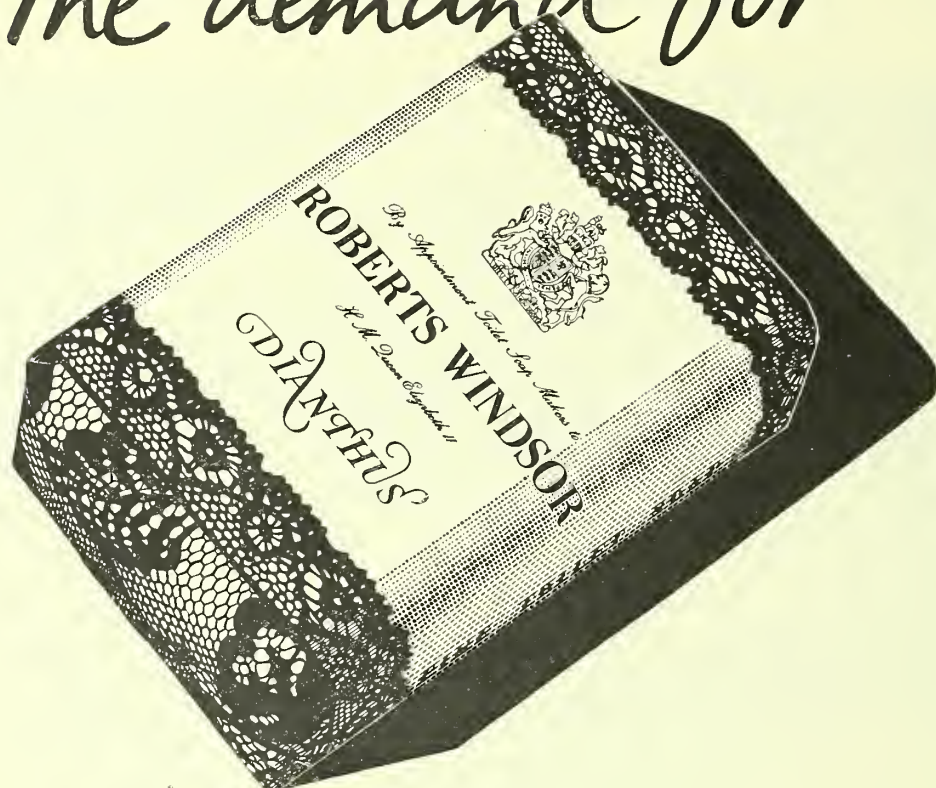
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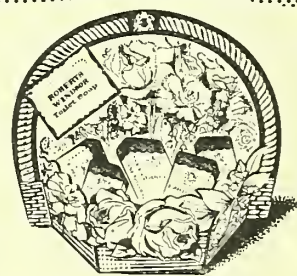
grows bigger every month — and that is your best reason for ordering it . . .



This beautiful Box in full colour (containing 3 tablets) catches the eye from counter or window and helps you to sell.



This new full-colour Display Box (holding 12 tablets) acts as a dispenser, sells for you from the counter.



This decorative Floral Basket Dispenser invites customers to help themselves.

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By Appointment Toilet Soap



Makers to H.M. Queen Elizabeth II

ROBERTS WINDSOR SOAP CO. LTD., THE ACRE, WINDSOR and Victoria Soap Works, Colwick, Nottingham

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 11: Some sections of the markets reported a slightly improved demand from overseas buyers. There were few major price changes apart from Jamaican GINGER. Drugs of North American origin tended to be firmer; to a minor extent the present weakness of sterling in terms of the American and Canadian dollars may have been responsible for some of the increases.

The new crop of CANADA BALSAM is reported to be short and spot holders have advanced their values by one shilling per lb. CASCARA SAGRADA and SENEGA were both dearer for shipment but that did not affect spot parcels. HYDRASTIS was 2s. per lb. up on the previous week making a gain of 3s. in two weeks. IPECACUANHA was quiet with business reported done in Matto Grosso at 40s. per lb., c.i.f. Limited offers of French GENTIAN were received from origin at rates well above last year's value. While COCHINEAL is available at present in a number of grades replacements were said to be difficult. Among SPICES, the forward rate for CINNAMON quills was somewhat easier but TURMERIC, which has gradually declined within the past few weeks, became firmer. Jamaican GINGER was also higher in all positions, the spot value being up by 40s. a cwt.; African was held unchanged. Chinese MENTHOL retained its gains of the previous week and some holders were quoting the prices from sixpence to one shilling per lb. up although no business was reported at those levels.

Among ESSENTIAL OILS the shipment rates for Madagascar CLOVE-LEAF were down by threepence per lb.; PALMAROSA by 1s. 6d., Chinese ANISE by sixpence. Chinese PEPPERMINT for shipment was down by 3s. and Brazilian by sixpence per lb. Spanish ROSEMARY is being quoted dearer at origin than the present spot value; the new-crop is expected to be dearer by 10 to 20 per cent.

There were no changes in the PHARMACEUTICAL and FINE CHEMICALS but ETHYL ALCOHOL and METHYL SPIRITS were substantially increased.

Pharmaceutical Chemicals

ACETIC ANHYDRIDE. — Rates (per ton) delivered in U.K. in returnable drums range from £121 for 10 tons to £126 for single 90-gall. drum lots.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
CARBONATE ..	23 5	23 8	27 6
SALICYLATE ..	22 6	22 9	26 5
SUBGALLATE ..	21 8	21 11	25 5
SUBNITRATE ..	20 11	21 2	24 7

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystal, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

EPHEDRINE.—In 100-oz. lots ALKALOID is nominally 7s. per oz.; HYDROCHLORIDE and SULPHATE, 4s. 3d. per oz.

FORMALDEHYDE. — B.P. solution is 37s. 3d. per cwt. for 4-cwt. lots including free drums.

HYDRAZINE HYDRATE. — Price per ton is £153 for the 10 per cent. (w/v) solution and £33 for the 2½ per cent.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 5d. to 2s. per lb., as to quantity; Scheeles is from 1s. 9d. to 2s. 4d.

HYDROQUINONE.—Quotations for 1-cwt. lots are 10s. 6d. per lb. For smaller quantities, viz., 28-lb., 10s. 9d.; 14-lb., 11s. 6d.; 7-lb., 12s.

HYOSCINE HYDROBROMIDE.—Scarce. 1-oz. lots are from 97s. 6d. to 115s. per oz. as to quantity and holder.

IODINE.—Resublimed is 17s. 1d. per lb. in 1-cwt. lots. Minimum delivered rate for CRUDE is 22s. 10d. per kilo.

LACTATES.—CALCIUM, B.P., is 2s. 9d. per lb. in 5-cwt. lots and 2s. 10d. in 1-cwt. lots. CALCIUM SODIUM for similar quantities is 4s. 5d. and 4s. 6d. per lb.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £137 per ton, delivered in the United Kingdom.

LITHIUM SALTS. — Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s. 9d. to 11s.; HYDROXIDE, 9s. 9d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d.; (10-cwt.), delivered.

METHOIN.—B.P. is about 120s. per lb.

OPATES.—Home trade rates for 4-oz. up to 7-oz. lots including container (non-returnable) are as follows:—CODEINE.—alkaloid, hydrobromide, iodide, 58s. 6d. per oz. (2,063s. per kilo); hydrochloride, sulphate, 51s. 3d. (1,808s.); phosphate, 44s. 9d. (1,578s.). DIAMORPHINE.—Alkaloid, 60s. 3d. per oz. (2,125s. per kilo); hydrochloride, 54s. 9d. (1,931s.). ETHYL-MORPHINE.—Alkaloid, 63s. per oz. (2,222s. per kilo); hydrochloride, 53s. 9d. (1,896s.). MORPHINE. — Alkaloid, bimeconate, tartrate, 60s. 6d. per oz. (2,134s. per kilo); acetate, hydrochloride, sulphate, hydrobromide, 50s. 3d. (1,773s.).—Subject to D.D.A. Regulations.

PHENAZONE.—Minimum price for quantity is 13s. 10½d. per lb. with usual differentials for smaller lots. 1-cwt. is now 14s. 1¼d. per lb.

PHYSOSTIGMINE.—Current rates per oz. are:—SALICYLATE, 1-oz., 282s.; 4-oz., 276s. SULPHATE, 358s. and 352s. ALKALOID, 414s. and 408s., respectively.

POTASSIUM ACETATE.—B.P. is 2s. 8d. per lb. in 1-cwt. lots.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P. is 2s. per lb.

POTASSIUM NITRATE. — Pharmacopoeial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

POTASSIUM PERMANGANATE. — Rate for B.P. material for 1-cwt. lots is 1s. 9d. per lb. and for technical, 183s. 6d. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 30s. per cwt

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £46 2s. 6d. to £50 7s. 6d. per ton according to packing.

SODIUM PHOSPHATE. — B.P. powder is 125s. per cwt.

SODIUM SULPHATE. — Makers' prices for B.P. range from £11 10s. to £18 17s. 6d. per ton as to crystal and quantity, ex works.

SODIUM SULPHITE. — 1-ton lots on the spot of ANHYDROUS (48–50 per cent.) are £66 10s. per ton in 1-cwt. drums or £62 5s. in 1-cwt. bags; CRYSTALS, B.P.C., are £31 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing.

SODIUM THIOSULPHATE.—Makers' price for 1-ton lots in paper-lined bags is £35 15s. per ton.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

TEREBINTH—B.P. is 2s. 3d. per lb.

THYMOL.—Prices (per lb.) are 17s. 9d. for 28-lb. and 17s. 3d. for 1-cwt. lots.

Alcohol

PRICES of plain BRITISH SPIRIT per proof gall. are increased. The new rates are as follows:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended December 31 is 300,000 or over the price is 2s. 11¼d.; 200,000 and less than 300,000, 2s. 11½d.; 100,000 and less than 200,000, 3s. 0½d.; 50,000 and less than 100,000, 3s. 0½d.; 10,000 and less than 50,000, 3s. 1½d.; 2,500 and less than 10,000, 3s. 1½d. Prices are exclusive of duty and are for tank wagon lots.

The following grades are subject to a premium on the above prices as follows:—

Absolute Alcohol, 99.5 per cent., 74.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 72.2 o.p.), 5d. more; Doubly Rectified Alcohol (S.V.R.), 95.8 per cent., 68 o.p. is 4d. more and P.I. Rectified Alcohol, 96.1 per cent., 68.5 o.p., 8d. more, R. R. Absolute Alcohol (re-rectified, 99.7 per cent., 75 o.p.), 12s. 6d. per bulk gall. net.

Methylated Spirits

METHYLATORS' rates per bulk gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over in one delivery, 5s. 3½d.; 100 gall. and under 500 gall., 5s. 6½d.; 30 gall. and under 100 gall., 5s. 9½d.; 10 gall. and under 30 gall., 6s. 2½d.; 5 gall. and under 10 gall., 6s. 7½d. Strength 64 o.p., 1d. per gall., 66 o.p. (B.P.), 2d.; 68 o.p., 2½d. more than the above rates with 74 o.p. at 6s. 1d. per gall. in lots of 500 gall. Tank wagon delivery is 1¼d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 5s. 10½d. for 500 gall. to 7s. 2½d. for 5–10 gall. of 61 o.p.

Pyridinised industrial methylated spirit: Strength 61 o.p., 500 gall. and over, in one delivery, 5s. 6½d.; 100 gall. and under 500 gall., 5s. 9½d.; 30 gall. and under 100 gall., 6s. 0½d.; 10 gall. and under 30 gall., 6s. 5½d.; 5 gall. and under 10 gall., 6s. 10½d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Mineralised methylated spirit: Strength 61 o.p. in one delivery, 100 gall. and under 500 gall., 5s. 11d.; 30 gall. and under 100 gall., 6s. 2d.; 10 gall. and under 30 gall., 6s. 7d.; 5 gall. and under 10 gall., 7s. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Methylated resin finish is 3d. per gall. over and methylated shellac finish is 1s. per gall. over the prices for pyridinised methylated spirit.

Terms:—Delivered free and carriage paid on returned empties; net cash one month.

Crude Drugs

ANISEED (STAR).—Chinese is offered at 127s. 6d. per cwt., in bond, and 120s., c.i.f., for shipment.

BALSAMS.—Quotations (per lb.) are:—**CANADA:** Spot and forward, 22s. **COPAIBA,** soluble, 8s. to 10s., duty paid. **PERU,** 9s. 6d., duty paid, and for shipment at 8s., c.i.f. **TOLU** (genuine as imported) is 27s. 6d.; B.P. is 17s. 6d., spot.

BENZOLIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £23 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

BISMUTH METAL.—Minimum rate is 16s. per lb.

BUCHU.—Spot supplies are from 7s. to 7s. 3d. per lb.

CAMPHOR.—B.P. POWDER is from 5s. 3d. per lb., duty paid. TABLETS, ½-oz. are 5s. 10d., c.i.f., and 6s. 4½d., spot.

CASCARA SAGRADA.—American 1954 peel is offered at 260s. per cwt., duty paid. New-crop for July-August shipment, 240s., c.i.f.

CASSIA BARK.—Whole on the spot is about 80s. per cwt., in bond and for forward delivery, 72s. 6d., c.i.f. Broken, 75s., in bond, and 64s. 6d., c.i.f.

CHAMOMILE.—Belgian flowers are 5s. 3d. per lb. on the spot.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 7s. 3d.; OOO, 7s. 1d.; OO, 6s. 11d.; O, 6s. 9d.; firsts, 5s. 9d.; quillings, 3s. 8½d.; chips, 10d. to 11d.

COCHINEAL.—Black-brilliant is 27s. per lb. on the spot; grey-black, 17s. 6d.; silver-grey, 16s. 6d.

ERGOT.—Portuguese is 7s. per lb., c.i.f.; East European, 4s., c.i.f.; Hungarian, high-testing, 11s. 6d., and American, 10s., both landed terms.

GALANGAL.—No. 1 root is quoted at 57s. 6d. per cwt., c.i.f.

GENTIAN.—Scarce on the spot. Limited shipment offers of French root are 142s. 6d. to 145s. per cwt.

GINGER.—African on the spot is 260s. per cwt., with July-August shipment at 232s. 6d., c.i.f. Jamaican No. 3 for July shipment, 515s., c.i.f., spot, No. 3, 600s. c.i.f.

GUM ACACIA.—Kordofan cleaned sorts on the spot are 140s. per cwt.; afloat, 129s., c.i.f., and shipment, 128s., c.i.f.

HENNA.—Indian is 70s. per cwt. on the spot. New-crop Bombay green, 62s. 6d. per cwt., c.i.f., quoted.

IPECACUANHA.—Quiet. Colombian, 42s. 6d., spot, and 40s., c.i.f. Matto Grosso, 44s., spot, and 39s., c.i.f. Nicaraguan, afloat is quoted at 56s. 6d. per lb., c.i.f.; shipment, 55s., c.i.f., nominal.

LIQUORICE.—Quotations (per cwt.) for natural root are: Anatolian, 42s. 6d.; Russian, 47s. 6d.; Persian, 35s. Block juice is 200s. per cwt. for the Anatolian and 195s. for Chinese on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

MERCURY.—Per flask (76-lb.) £86 on the spot.

ORANGE PEEL.—West Indian bitter quarters are 11d. to 1s. per lb.; Spanish, 1s. 1d. to 1s. 3d.

PEPPER.—Firm. White Sarawak on spot has been sold at 2s. 5d. per lb., with sellers now asking 2s. 5½d. July shipment is 2s. 2½d., c.i.f. Black Sarawak is nominal at 1s. 10d. per lb., spot; July shipment, 1s. 8½d., c.i.f. Black Malabar, 270s. per cwt. on the spot; July-August shipment, 240s., c.i.f.

PIMENTO.—Spot is 570s. per cwt. with forward at 520s., f.o.b.

PODOPHYLLUM.—*Emodi* is quoted at 150s. per cwt. ex wharf. Indication for new-crop *Peltatum*, 475s., landed.

PSYLLIUM.—Indian seeds are quoted at 1s. 1d. per lb. on the spot.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot.

QUILLAIA.—Spot offers of bark are about 225s. per cwt. with shipment, 185s., c.i.f.

RAUWOLFIA.—*Serpentina* is offered from 4s. 3d. to 4s. 9d., landed terms, as to origin. *Vomitaria* is 2s. 6d., landed.

RHUBARB.—Quotations for Chinese are from 6s. 6d. to 10s. 6d. per lb., as to quality.

SAFFRON.—Mancha superior on the spot is nominally 265s. per lb. Forward position dearer.

SARSAPARILLA.—Jamaican native red on the spot is 3s. 4d. per lb., and for shipment, 3s., c.i.f., nominal.

SEEDS.—(Per cwt.). **ANISE.**—Tunisian, 220s., in bond; Spanish, 257s. 6d., duty paid. **CARAWAY.**—Dutch, 127s. 6d., duty paid. **CELERY.**—Indian, 140s., spot. **CORIANDE.**—Spot, Moroccan, nominal at 95s., duty paid; Rumanian or Danubian, 62s. 6d.; splits, 55s., and Bulgarian smalls, 52s. 6d., all duty paid. **CUMIN.**—Cyprian, 130s.; Moroccan, 132s. 6d., duty paid; Iranian, 125s., duty paid. Cyprian new-crop for shipment quoted at 110s., c.i.f. **DILL.**—Indian offered at 65s. on spot. **FENNEL.**—Indian quoted at 95s., spot. **FENUGREEK.**—Spot, Indian, 70s.; Moroccan, 68s., duty paid. **MUSTARD.**—English, 66s. to 77s. 6d., according to quality.

SENNA.—*Tinnevely* LEAVES (per lb.):—Prime bold, 1s. 4½d.; prime No. 3, 8d.; f.a.q., No. 3, 7d. all on the spot; PODS, f.a.q., new-crop, 7d., c.i.f. Manufacturing, 6½d. spot. *Alexandrian* manufacturing pods, upwards of 1s.; hand-picked are from 4s. 6d. to 6s. 9d. per lb. as to quality.

SERPENTARIA.—Offers for shipment are quoted at 40s. per lb., landed terms.

TURMERIC.—Firmer. Madras finger on the spot is 100s. per cwt. with July shipment up to 82s. 6d., c.i.f., quoted.

WAXES.—**BEES'**—Dar-es-Salaam, shipment, 515s., c.i.f., spot, 550s.; Sudanese, 525s. duty paid, and 465s., c.i.f.; Abyssinian, spot 570s., duty paid, shipment, 490s., c.i.f. **CANDELLILLA.**—Shipment, 520s. per cwt. landed; spot is 540s. **CARNAUBA.**—Fatty grey, spot, 600s. per cwt.; for shipment, 585s., c.i.f. Prime yellow, spot, 1,120s.; shipment, 1,095s., c.i.f. (per cwt.).

WITCH HAZEL LEAVES.—Spot supplies are 2s. 3d. per lb.; June-July shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. imported oil is 10s. 6d. per lb.; British, 13s.

ANISE.—Chinese, 15s. per lb., spot; 13s. 10½d., c.i.f.

BAY.—West Indian is 11s. per lb. on the spot.

BERGAMOT.—Spot quotations are now 65s. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

CAJUPUT.—Spot supplies are 15s. 9d. per lb. for 1-cwt. lots.

CANAGA.—Spot is from 56s. to 62s. lb.

CARAWAY.—English-distilled is offered at 55s. and imported from 33s. per lb., duty paid.

CARDAMOM.—Price per lb. is from 360s. for English distilled and from 265s. to 295s. for imported.

CEDARWOOD.—1-cwt. lots of American are 6s. 6d. per lb.

CHAMOMILE.—English oil is offered at from 240s. to 256s. per lb.

CITRONELLA.—Ceylon, 6s. 9d. per lb., spot; shipment, 5s. 9d., c.i.f. Formosa spot, 10s. nominal, in bond; shipment, from 6s. 9d. to 8s. 3d., c.i.f., as to position.

CLOVE.—Madagascar leaf is 9s. 3d. per lb., duty paid and 8s., c.i.f., for shipment. Rectified 87-88 per cent., 12s.; distilled bud oil. English, from 35s.; imported, 17s. 6d.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary, is from 9s. 6d. per gall.

CORIANDER.—Russian-seed oil is quoted from 82s. 6d. per lb.

CUMIN.—Quotations for English-distilled oil are about 110s. per lb. and imported, 57s. 6d.

GARLIC.—English is 55s. per oz.

LAVANDIN.—Spot is from 12s. to 15s. per lb. as to quality, for original drums.

LAVENDER.—French oil, 38-40 per cent. linalol on the spot is available at 49s. 6d. per lb. with 40-42 at 55s.

LAVENDER SPIKE.—Spanish is offered at 13s. 6d. per lb. on the spot.

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 40s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is 13s. 6d. per lb.; shipment, 9s. 6d. to 9s. 9d., c.i.f., as to position.

OLIVE OIL.—B.P. is offered at 36s. per gall. on the spot.

ORANGE.—Spot quotations of sweet oil are from 4s. 6d. per lb. for Floridan to 21s. for West African. For shipment, proprietary brand Californian sweet is 6s. 1½d., c.i.f., and cold-pressed, U.S.P., 9s. 4d., c.i.f. Terpenecless is 210s. per lb., spot. Bitter orange oil is 20s. per lb.

PALMAROSA.—East Indian, 60s., spot; 55s., c.i.f.

PENNYROYAL.—Spot is quoted at 23s. 6d. per lb., duty paid.

PEPPERMINT.—*Arvensis:* Chinese is 32s. 6d. per lb. on the spot and 29s. 6d., c.i.f. Brazilian, 24s., spot, and 22s., c.i.f. Italian "Mitcham"-type oil is 56s. to 65s. spot, as to make. American, 42s. 6d. to 47s. 6d. English Mitcham, 190s. to 200s.

PETITGRAIN.—Paraguay, spot, 24s. 6d. to 25s. 6d. per lb., as to brand.

PIMENTO.—English-distilled berry is 180s. per lb., imported is 67s. 6d. Rectified leaf (imported), 27s. 6d. per lb.

RUE.—Spot offers are from 15s. per lb.

SAGE.—Spanish is offered at from 8s. per lb. and Dalmatian, 30s.

SANDALWOOD.—Mysore is 87s. 6d. per lb. on the spot and East Indian, 82s. 6d.

SPEARMINT.—Offers of U.S. oil for shipment are about 35s. 6d. per lb., c.i.f., with spot at 38s. Dutch quoted at 35s., duty paid, with Chinese offered at 27s. 6d.

TANGERINE.—Sicilian is from 38s. to 48s. per lb., on the spot.

THYME.—Spot is 9s. per lb. for the B.P.C.

UNITED STATES REPORT

NEW YORK, JULY 10: Among CRUDE DRUGS, Hungarian-type CHAMOMILE stood at 85 cents, and Peru BALSAM at \$1.30 per lb., both up by ten cents. SENEGA declined by ten cents to \$2.70 per lb. Rapid increases in the rates for spice from the East and West Indies caused NUTMEG OIL to mount from \$5.00 to \$7.25 per lb. Among other ESSENTIAL OILS East Indian SANDALWOOD stood at \$13.50 per lb. (an increase of 15 cents); CEDAR LEAF, at \$3.50 (25 cents); CARDAMON, \$38.00 (one dollar). SPEARMINT fell by 20 cents to \$4.50, and EUCALYPTUS by 2 cents to 68 cents per lb.

WORLD TRADE

Indian Development Plans. — Mr. T. T. Krishnamachari (Indian Minister for Commerce and Industries) said in New Delhi recently that the National Industrial Corporation had received a report from a Russian team, and that another from an Italian team was expected, on the production of basic and intermediate materials required for drugs and dyestuffs.

U.K. Trade With Jugo-Slavia. — An agreed minute on trade between the United Kingdom and Jugo-Slavia during the current twelve months ending March 31, 1957, was signed in London on June 29. Most Jugo-Slav goods are already admitted freely into the United Kingdom. Quotas have been fixed for other goods. There is in general no import licensing system in Jugo-Slavia but the Jugo-slav authorities have agreed on a probable pattern of imports of U.K. goods.

A U.S. Company for Bermuda. — A Bill under which a Bermuda company may be incorporated so that Merck-Sharp & Dohme (International), Ltd., can set up a plant in the free port area on Ireland Island was passed by the Bermuda Legislature recently. In the Legislative Council it was stated that the industry would be one of the largest light industries coming to the colony and would employ between 100 and 150 Bermudans. Up to an acre of land would be required outside the free port area on which to establish offices.

Wider Markets Sought by U.S. — The United States Department of Commerce has warned that a larger foreign market for American pesticides must be developed by domestic manufacturers to offset production capacity, which already exceeds both domestic and export demands. The warning by the Department's Business and Services Administration featured the first world survey of the pesticide industry ever compiled in the U.S. Based chiefly on data furnished by American officials in sixty-six foreign countries, the survey analysed prospective developments in each country in terms of expected consumption through 1960 and the best approach to building up U.S. sales. It noted that keenest competition was coming from West Germany, the United Kingdom and other European producers.

Japan Producing More Pharmaceuticals. — Japan's pharmaceutical production in 1955 was valued at 87,466 million yen (£87 millions), exceeding the 1954 level by 8,998 million yen. The 1955 advance in output is attributed to the following causes:—The accumulation of stocks by dispensaries throughout the country in anticipation of the separation of dispensary and medical practice which came into effect in April; further development of social insurance; production of antibiotics (which had previously to be imported); and increased demand for vitamin products and hormones. According to the Japanese Ministry of Health and Welfare, pharmaceutical imports during 1955 amounted to 3,509 million yen (£3.5 millions), a decrease of about 83 million yen from the previous year's figure.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," June 13

For medicinal preparations for use as throat sprays and gargles (5)

LARYLGAN, 752,140, by Doho Chemical Corporation, New York, U.S.A.

For insecticides, fungicides and weed-killing preparations (5)

FOSOVA, 752,254, by Plant Protection, Ltd., Yalding, Kent.

For cinematographic cameras and parts (9)

VISTAVISION, 738,777, by Paramount Pictures Corporation, New York, U.S.A.

For filters for use in bacteriology (9)

MILLIPORE, B749,816, by Millipore Filter Corporation, Watertown, U.S.A.

For photographic and cinematograph apparatus (9)

MELINEX, 750,706, by Imperial Chemical Industries, Ltd., London, S.W.1. REOMAR, 751,223, by Kodak, Ltd., London, W.C.2.

For non-medicated toilet rolls (16)

PYRAMID, 750,198, by Ellem Paper Co., Ltd., Ashford, Middlesex.

For toilet brushes (21)

BALITA, 748,649, by Balloid Basler Celluloidwarenfabrik A.G., Therwil, Therwil, Switzerland.

For combs and brushes (21)

HARMONY, 748,827, by the British Xylonite Co., Ltd., London, E.4.

From the "Trade Marks Journal," June 20

For adhesives for use in industry; and preparations of synthetic resins and waxes (1)

MICROMELT, 739,889, by Astor Boisselier & Lawrence, Ltd., London, W.C.2.

For flux for use in welding (1)

VITREAFUX, 745,462, by Skloexport, Podnik Zahranicniho Obchodu Pro Vvyvoz Skla, Vavelske nam 1, Czechoslovakia.

For calcium carbide, alcohols, glycols, furan, derivatives of furan, vinyl polymers; adhesives for use in industry; gases, etc. (1)

Device with the word AIRCO, 751,180, by Air Reduction Co., Inc., New York, U.S.A.

For liquid detergents for use in industrial and manufacturing processes (1)

VYTEX, 747,702, by W. & F. Walker, Ltd., Kirby, nr. Liverpool.

For metallic salts and solutions of metallic salts (1)

NIMAX, 750,317, by W. Canning & Co., Ltd., Birmingham, 18.

For all goods (3)

OMENO, 740,934, by Omeno Products, Ltd., Woodmansterne, Surrey. SUON, 752,454, by Simon (Hairdressers), Ltd., London, S.W.1.

For polishing preparations for plastics (3)

KAPOLIT, 747,376, by Rheinische Schmirgelwerke, Beuelbonn, G.m.b.H., Beuel, nr. Bonn, Germany.

For substances for use as perfume bases; and essential oils, non-medicated toilet preparations and perfumes (3)

PASCODORA, 748,357, by Polak & Schwarz (England), Ltd., Enfield, Middlesex.

For blue for laundry purposes (3)

Device with the wording COLMAN'S AZURE BLUE (twice) and device with the wording COLMAN'S AZURE BLUE, BULL'S HEAD, 751,001-02, by Reckitt & Colman, Ltd., Hull, Yorks.

For soaps, perfumes, non-medicated toilet preparations, essential oils, cosmetics, hair lotions and dentifrices (3)

AMSALI, 751,827, by P. Beiersdorf & Co., A.G., Hamburg, 20, Germany.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3)

CRAVAT, 752,385, by Goya, Ltd., London, W.1.

For pharmaceutical preparations containing malt (5)

ENERMALT, 746,181, by Union International Co., Ltd., London, E.C.1.

For pharmaceutical multivitamin preparations (5)

FLAVOPOID, 749,779, by U.S. Vitamin Corporation, New York, U.S.A.

For insecticides, fungicides, and weed-killing preparations (5)

OVOMITE, 752,256, by Plant Protection, Ltd., Yalding, Kent.

For pharmaceutical preparations and substances for human and veterinary use (5)

DURASTERON, 750,468, by Organon Laboratories, Ltd., London, W.C.2.

For all goods (5)

ALBUTEST, B750,500, by Ames Co., Inc., Elkhart, U.S.A. AMOVENE, 752,173, by Amovon, Ltd., Bradford, Yorks. TARASSANO, 752,389, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical preparations and substances containing milk (5)

GELUSIL-LAC, 750,570, by William R. Warner & Co., Ltd., London, W.4.

For catamenial appliances (5)

DOLORES, 750,205, by O.K. Bazaars (1929), Ltd., Johannesburg, South Africa.

For pharmaceutical preparations and substances (5)

SARAPAX, 751,815, by Swift & Robinson, Wigan. TOPICORT, 752,561, by Laboratoires Français de Chimiotherapie, S.A., Paris, France.

For pharmaceutical preparations and substances for human and veterinary use, sanitary preparations, medical and surgical plasters and bandages (5)

CELADIGAL, 751,831, by P. Beiersdorf & Co., A.G., Hamburg, Germany.

For pharmaceutical preparations for human use (5)

HALOTESTIN, 752,507, by Upjohn of England, Ltd., London, W.1.

For pharmaceutical products for veterinary purposes (5)

COVIBAR, 752,792, by Armour & Co., Ltd., London, E.C.1.

For photographic enlarging apparatus and parts (9)

VARIOFLEX, 736,320, by Agfa Camerawerk, A.G., Munich, Germany.

For weighing machines (9)

POIDOMETER, 748,377, by Sheepbridge Engineering, Ltd., Chesterfield, Derbys.

For binoculars (9)

STEPLU, STEPMUR, STEPRUVA, STEPSUN, and STEPTRON, 752,160-64, by Ross, Ltd., London, S.W.4.

For jockstraps and elastic ankle and knee bandages, all for surgical or curative purposes (10)

ATHVITA, 746,696, by Edward R. Buck & Sons, Ltd., Stockport, Ches.

For hearing aids for the deaf, and for parts (10)

SONOTONE, 752,394, by Sonotone Corporation Westchester, U.S.A.

From "The Trade Marks Journal," June 27

For solvents and indicators, all being chemical products for use in analysis; chemical reagents; and chemical products for use in promoting the growth of yeast and similar organisms (1)

Devices with letters H & W, 731,650, by Hopkin & Williams, Ltd., Chadwell Heath, Essex.

For chemical substances for use in the manufacture of rubber (1)

Device with the wording BLE, 719,889, by United States Rubber Co., New York, U.S.A.

COMING EVENTS

Wednesday, July 18

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Farley's infant food factory, Plymouth, at 3 p.m. Visit.

SOUTH LONDON AND SURREY PHARMACISTS GOLFING SOCIETY, Woodcote Park golf club, Coulsdon, at 1.30 p.m. Bogey competition for the F. Widdocks memorial trophy and the Cow & Gate trophy.

Thursday, July 19

SHEFFIELD PHARMACY CLUB, Trippet Lane, Sheffield, at 2.30 p.m. Meet for car point-to-point in Derbyshire, Bring 4-in. map Buxton-Matlock area.

PRINT AND PUBLICITY

Advertising Campaigns

ARVIN ELECTRIC, LTD., Fernbrook Avenue, Southend-on-Sea: Arvin Fernbrook electric shaver. In national daily and Sunday newspapers, *Radio Times*, and men's magazines.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: Collubarb tablets, Ergo-Rondase, Nobcutane, Rondase. In all medical journals.

D. & W. GIBBS, LTD., Hesketh House, Portman Square, London, W.1: Astral cream. In national daily newspapers.

E. GRIFFITHS HUGHES, LTD., Adelphi, Salford, 3, Manchester: Tru-Gel. In *Sunday Pictorial*, July 15.

F. W. HAMPSHIRE & CO., LTD., Sunnydale, Derby: Loxene medicated shampoo. In *Daily Express*, *Daily Mirror*, *Daily Mail*, *Woman*, *Woman's Own*, *Woman's Weekly*, *Reader's Digest*.

WARNER HARVEY & CO., LTD., 28B Albemarle Street, London, W.1: Raymond of Mayfair powder shampoo. In women's weekly and monthly magazines and in *Daily Sketch*, *Daily Mirror*, *Woman's Sunday Mirror* and *Sunday Pictorial*.

LEDRIE LABORATORIES DIVISION, CYANAMID PRODUCTS, LTD., North-west Wing, Bush House, Aldwych, London, W.C.2: Vi-Magna syrup. In British medical journals, currently.

PERHEL, LTD., 27 Rabbit Row, London, W.8: Actinea ultra-violet/infra-red health lamp. In *Sunday Times*, *Observer*, *London Evening Standard*, *Homes and Gardens*, *Housewife*, *Good Housekeeping*.

Commercial Television

THE following products are being advertised on the days shown:—

ALL STATIONS

FRIDAY, July 27: Kodak film (between 7.25 and 10.5 p.m.).

DAILY, July 22-28: Field's French soaps (two appearances).

At least twice weekly (peak times) Max Factor beauty preparations.

LONDON STATION

SUNDAY, July 22: Beecham's pills; Go deodorant (at 9.58 p.m.).

MONDAY, July 23: Brylcreem (between 10 and 10.30 p.m.).

TUESDAY, July 24: Nivea.

WEDNESDAY, July 25: Brylcreem (between 10 and 10.30 p.m.); Gibbs' S.R. tooth-paste (between 10 and 10.30 p.m.); Nivea.

THURSDAY, July 26: Brylcreem (between 8 and 10 p.m.).

FRIDAY, July 27: Nivea; Beecham's pills; Brylcreem (between 8 and 10 p.m.); Silvikrin (between 10.5 and 10.35 p.m.).

SATURDAY, July 28: Brylcreem (time signals); Silvikrin liquid shampoo; Knight's castile soap.

BIRMINGHAM STATION

SUNDAY, July 22: Kolynos.

THURSDAY, July 26: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, July 27: Go deodorant (at 9.58 p.m.).

SATURDAY, July 28: Silvikrin liquid shampoo.

MANCHESTER STATION

SUNDAY, July 22: Kolynos.

SATURDAY, July 28: Fenning's cooling powders, mother's balm, rheumatic tablets (between 2.45 and 3.30 p.m., and 10.45 and 11 p.m.).

ON varying dates each week: Gibbs' S.R. tooth-paste.

DAILY: July 23-27: Silvikrin.

Price Lists

AGFA, LTD., Deer Park Road, Wimbledon Factory Estate, London, S.W.19: Agfacolour negative films, processing charges, reversal films. Pp. 6. Dealers' price list. Pp. 4.

BENGUE & CO., LTD., Mount Pleasant, Alpertown, Wembley, Middlesex: June. Pp. 6.

DDN S. MDMAND, LTD., 58 Albany Street, London, N.W.1: July. Pp. 4.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *Tax 30 per cent.; †Tax 90 per cent.

THE GARDNER CO. (LONDON), LTD. (from July 1)

Atomist sprays:	Doz.	I.R.P.
1010	96 0	12 0 A
1015	84 0	10 6 A
1020	116 0	14 6 A
1030	128 0	16 0 A
1040	156 0	19 6 A
1045	120 0	15 0 A
1050	84 0	10 6 A
1072 powder	128 0	16 0 A
1090 nebuliser	160 0	20 0 A
all glass atomisers:		
1081 clear	112 0	14 0 A
1085 clear	52 0	6 6 A
1087 amber	64 0	8 0 A

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD. (to trade from July 9, to public from August 6)

Largactil tablets:		
10 mgm.	50	5 6 R
	500	50 0 R
25 mgm.	50	9 0 R
	500	81 3 R
100 mgm.	50	32 6 R
	500	300 0 R
ampoules:		
1 c.c. 2.5%	10	8 3 R
2 c.c. 2.5%	10	12 6 R
	50	56 3 R
5 c.c. 1%	10	15 0 R
syrup	4 fl. oz.	7 6 R
	40 fl. oz.	67 6 R
suppositories	100 mgm. 5	8 0 R

PHARMAX, LTD. (from July 14)

Diuramil*	42 9	5 10 A
	94 6	12 10½ A
Ralgex*	33 9	4 7½ A

SOUTHON LABORATORIES, LTD. (from July 9)

E.P. tablets*	20	1 11 A
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P.A.T.A. PROTECTED LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

NURSE SYKES' CO. (from July 9)		
Nurse Sykes' powders*	8 12 1	1 8 A
	36 54 0	7 0 A
tablets*	9 7 0	1 0 A
	16 12 1	1 8 A
	72 54 0	7 0 A

NEW PRODUCTS AND PACKS

ALLEN & HANBURY, LTD.

Dequaspon	Each	4 6	6 9
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EDWARDS HARLENE, LTD.

Smoke deep brunette, velvet brown†		5 6
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ISOPAD, LTD.

Isoblanket Lana BS*		
	60 x 80 in.	238 6
extra large	70 x 80 in.	467 2
Unheated blanket to match	70 x 80 in.	80 0

PFIZER, LTD.

Atarax tablets*	10 mgm.	20	14 5
		100	63 0

SMITH & NEPHEW, LTD.

Lucidil tablets 1 mgm.	100	3 0	4 6
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V.G. TRADING & FINANCE CO., LTD.

Beaker and holder for tooth-brush and tooth-paste		6 9
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WARD, BLENKINSOP & CO., LTD.

Trichorad tablets	30	6 0
dispensing pack	600	99 0

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for June was 200

Cost		Item	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.
120	25 mils	Aqua aurantii flor. conc. ...	—	—	3 2
141	500 gm.	Camphora natural. ...	4 6	1 3	0 3
50	5 gm.	Dithranol ...	per gr.	0 1½	5 10
120	500 mils	Elixir diamorph. et pini co., B.P.C. D.D.	4 0	1 1	0 2
96	500 mils	Elixir sennæ, B.P.C. ...	3 1	0 10	0 2
39	100 mils	Ext. scillæ liquidum ...	—	1 7	0 3
132	500 mils	Inf. buchu co., B.P.C. ...	4 3	1 2	0 2
25	25 mils	Liq. glyceryl. trinit. P.I. (9 and 13)	—	4 1	0 7
62	litre	Lotio calamin. oleos., B.P.C.	3s. 6d. 16 fl. oz.	1 0	0 3½
35	100 mils	Narist. chlorbutol. c. menthol., B.P.C. ...	—	1 5	0 2½
120	pint	Ol. olivæ ...	3 6	1 0	0 2
42	500 gm.	Ol. ricini opt. ... 4s. 9d. 16 fl. oz.	1 5	0 5	0 1
57	500 gm.	Pasta zinci oxid. et picis carb., B.P.C.	1 11	0 7	0 1
54	500 gm.	Plumbi acetat pur. ... P.I.(8)	1 9	0 6	0 1
51	500 gm.	Pulv. glycyrrhizæ co. ...	1 8	0 6	0 1
46	100 mils	Tinct. buchu ...	—	1 11	0 3½
90	500 mils	Tinct. gelsemii ...	3 0	0 10	0 2

Cost		TABLETS	Selling Price (in containers)	
d.	per		25	100
		If no strength is prescribed for a B.P. or B.P.C. tablet the strength marked with an asterisk * must be supplied	s. d.	s. d.
90	1,000	Aneurin. hydrochlor., 1 mgm. ...	—	2 3
144	1,000	*Aneurin. hydrochlor., 3 mgm. ...	—	2 11
276	1,000	Aneurin. hydrochlor., 10 mgm. ...	—	4 7
180	1,000	Aneurin. co., N.F.* ...	1 3	3 5
540	1,000	Aneurin. co. fort., N.F. ...	2 5	7 9
180	1,000	*Calcii sod. lact., gr. 7½ ...	1 4	3 5
69	1,000	Cyclobarbiton., gr. 3 ... S.I.R. only	2 6	8 8

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.

'Marzine'

TRADE MARK

STOPS travel sickness

**National Advertising is now appearing.
Make sure that 'Marzine' Display Material is
prominently shown in your window or
on your counter.**

A good display of 'Marzine'
now will ensure that you get
your full share of this
profitable business.



FLASHING
DISPLAY



COLOURED
MOBILE

**SHOW MORE...
SELL MORE**



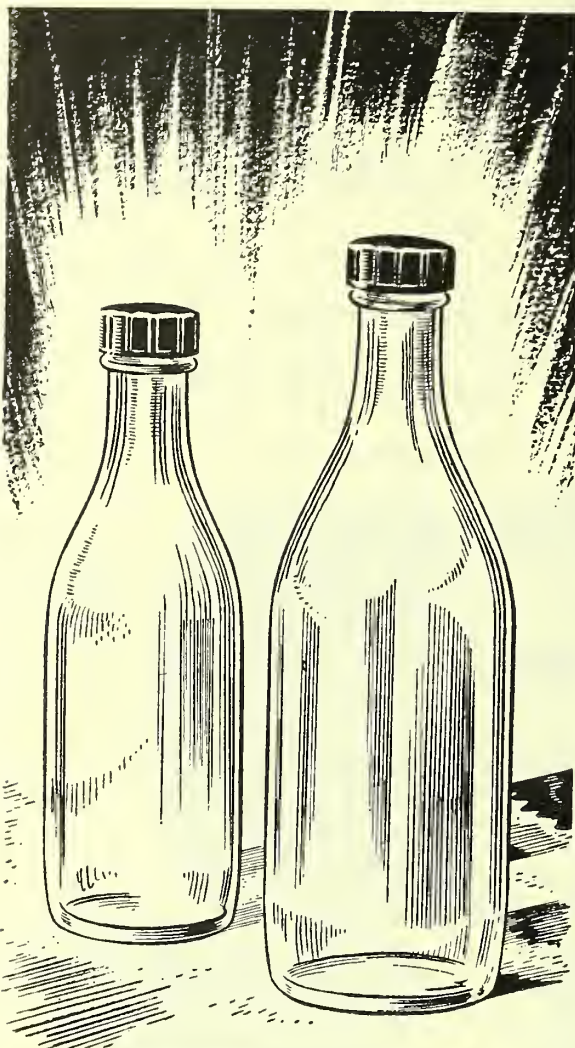
COLOURED SHOWCARD

Check your stocks of 'MARZINE' — remember that
our Bonus offer holds good until the end of July.
Orders for 3 doz. or more, carry a bonus of one free
tube for each dozen.



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd) LONDON

1049

**BEATSON**

PLASTIC CAPPED

Olive Oils

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz., and 20 oz., capacities.

BEATSON, CLARK & CO., LTD.

Glass Bottle Manufacturers

ROTHERHAM

Est. 1751

YORKS

*"The Sign of a**Good Bottle"*

B.C.75

**VITAMIN
D3***Manufacturers:***PEBOC
LIMITED**

Enquiries to SALES OFFICE

**629/630 TOWER BUILDING
LIVERPOOL 3 • ENGLAND****LABORATORIES
GREENFORD, MIDDLESEX****The shaving brush
with the TWO YEAR
guarantee**

We cordially invite you, when in London, to visit our showrooms at:—

92 Regent Street, London, W.1
(one minute from Piccadilly Circus)

and see our range of 250 Pure Bristle and
Pure Badger Shaving Brushes to suit all markets

VULFIX**SHAVING BRUSHES
PURE BADGER AND PURE BRISTLE**

Please ask our wholesaler for particulars of our special offers.

Write for illustrated brochures and price lists

THE PROGRESS SHAVING BRUSH CO. LTD.
Mottram St., Stockport, Eng. 92 Regent St., London, W.1



MOULDED BOTTLE PACKS
... Winchester bottles — in fact all types of bottles and jars are better packed by our moulding process. Please let us have your enquiry.

COMPRESSED PAPER PACKING LIMITED
in association with
FIBRE MOULDINGS LIMITED

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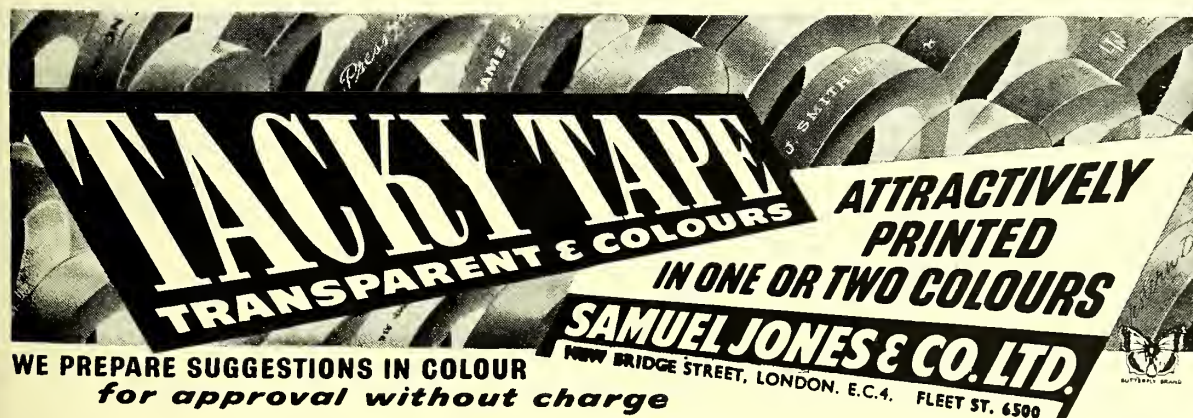
Write to:
Dept. IQ for 'Postlip' Filter Paper Samples

ATTRACTIVE NEW PACKING



36 swabs 1/-

MANUFACTURED BY
PAPERSTICKS LTD.
41-43 North Rd., SOUTHEND-ON-SEA, ESSEX.

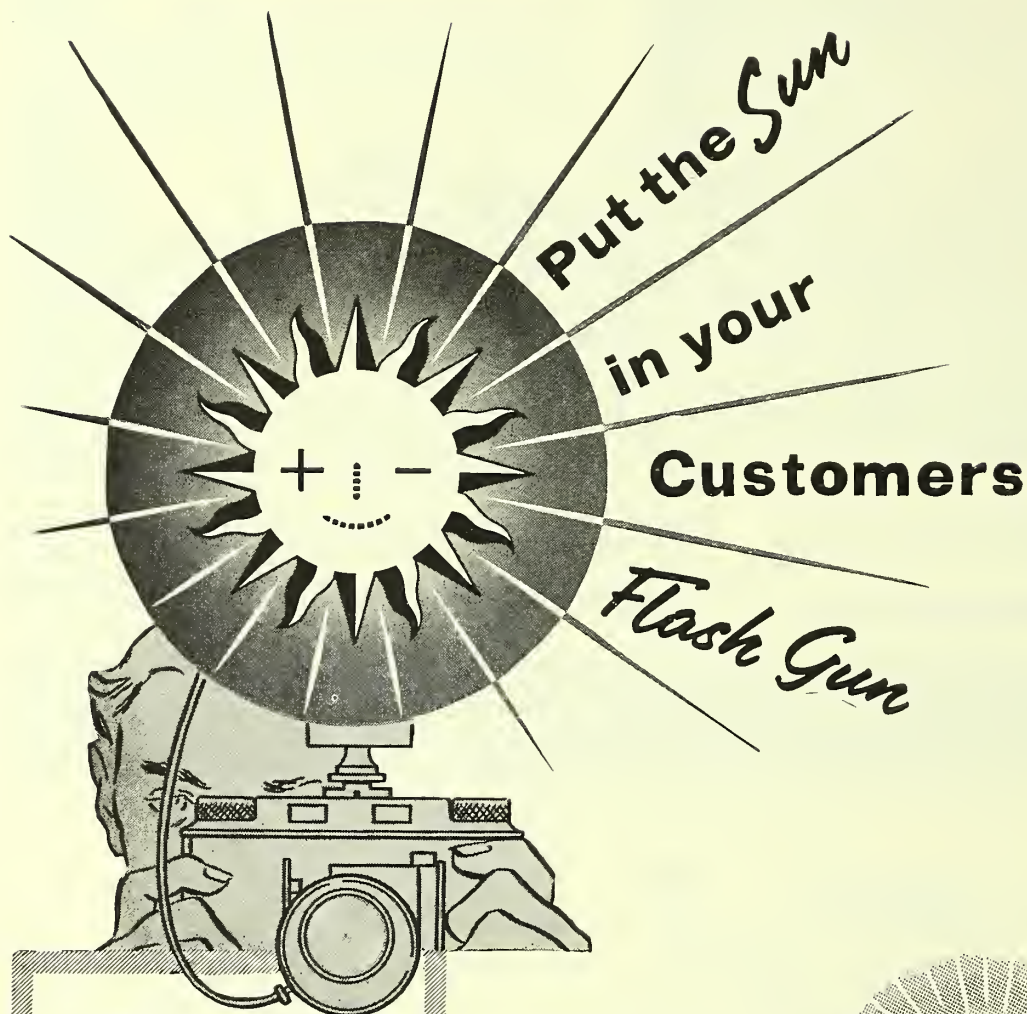


TACKY TAPE
TRANSPARENT & COLOURS

ATTRACTIVELY PRINTED
IN ONE OR TWO COLOURS

SAMUEL JONES & CO. LTD.
NEW BRIDGE STREET, LONDON, E.C.4. FLEET ST. 6500

WE PREPARE SUGGESTIONS IN COLOUR
for approval without charge



U.2 1.5 volts
Size $1\frac{3}{8}'' \times 2\frac{7}{16}''$

U 2



B.122 22.5 volts
Size $1\frac{1}{16}'' \times \frac{5}{8}'' \times 2''$

B122

You can do it . . . when you stock Ever Ready dry batteries. Packed with power and energy like the sun, they will give your customers power for the flash they want—every time. Stock the batteries they'll be asking for—the batteries that will "put the sun in their flash-gun"





is for TRU-GEL



as advertised to
One in every three living near you
With PIC advertising paving the way
Make sure TRU-GEL is on window display.

SUNDAY PICTORIAL

TRU-GEL hair dressing will be advertised in the Sunday Pictorial on July 15.

They're asking for it!...

New 'Bubbly' Stergene makes history

Wonderful new "Bubbly" Stergene. It's off to a great start. Housewives are intrigued at the thought of a *complete* washing product in convenient liquid form. More ask about it every shopping day. Sales are going UP — and there's the same generous profit margin on every bottle sold.



QUESTIONS AND ANSWERS
ABOUT
NEW "BUBBLY" STERGENE

THE DE LUXE WASH:

Matchless for Nylon, 'Terylene,' Rayon, Silks, Woollens and all fine fabrics. Gives real whiteness to whites, yet clean-washes the greasiest overalls.

WASHING MACHINES?

Stergene is harmless to metals and cannot corrode or damage the metal or rubber parts of washing machines. Controlled lather reduces risk of electrical trouble.

WHAT ABOUT COLOURED?

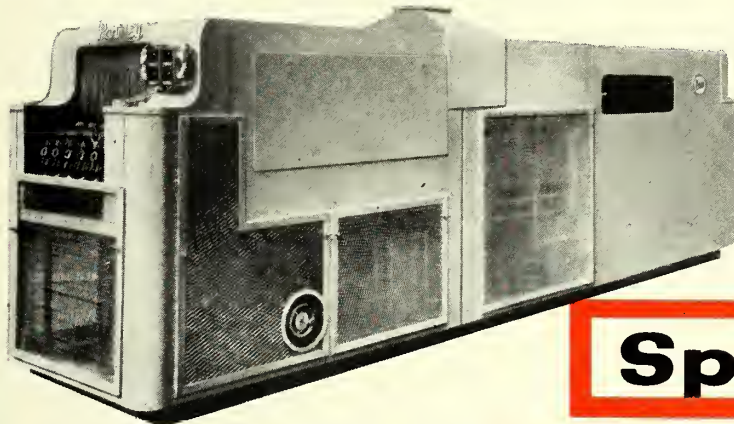
New "Bubbly" Stergene gives a vivid gay wash to all coloureds that are safe in plain water.

DOES IT LATHER? New "Bubbly" Stergene provides a controlled *balanced* lather — generous in the wash but *easily removed at the first rinse*.

ANYTHING ELSE?

Yes! New "Bubbly" Stergene has a delicate fragrance — brings outdoor freshness to the indoor wash.

DOMESTOS LIMITED, COLLEGE WORKS, NEWCASTLE UPON TYNE, 6.

Clean as a whistle*Dry as a bone...*

That is how the Spartan Hydro bottle washing and drying machine turns them out. It minimises absolutely the risk of the odd unsterile package—delivering bottles—bright and bone dry—at an hourly rate of between 1200 and 3600. It is totally enclosed, easily accessible, fitted for variable speeds, and delivered as a complete unit. Built by specialist engineers, it is simple to instal, and particularly suitable for the Pharmaceutical industry

Spartan

HYDRO BOTTLE WASHING AND DRYING MACHINE

For all conditions at home and abroad, for all sizes and type of bottle, and for care and economy of operation SPARTAN is the answer

R. POWLEY & SONS LTD. Dept. 6/C, St. Mark's Rd. Sunderland, England

Tel. 4846-7

Grams & Cables "Powley" Sunderland

The name that guarantees accuracy

- CLINICAL THERMOMETERS
- HOUSEHOLD THERMOMETERS
- INDUSTRIAL THERMOMETERS

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LTD**

LOMBARD ROAD MORDEN
ROAD · LONDON · S·W·19

Telephone: LIBERTY 2283 · 4 · 5 · 6 and 4201
Cables Zealdam "London"

ZEAL BRITISH MADE

CLINICALS



QUALITY..

IN WHITE FLINT GLASS CONTAINERS



DISPENSING BOTTLES
1-oz. to 20-oz.

RIBBED OVAL
 $\frac{1}{2}$ -oz. to $\frac{1}{2}$ -oz.

BOW-FRONT PANELS
1-oz. to 8-oz. and 16-oz.

OLIVE OIL BOTTLES
2 $\frac{1}{2}$ -oz., 4-oz., and 10-oz.

OVAL TABLET BOTTLES
Nos. 1 to 7 $\frac{1}{2}$ sizes.

ROUND SCREW JARS
Tall and Semi-squat.

PANEL FLATS
2-oz. to 4-oz.

VIALS
 $\frac{1}{2}$ -oz. to 3-oz.

**NATIONAL GLASS
WORKS (YORK) LTD.**

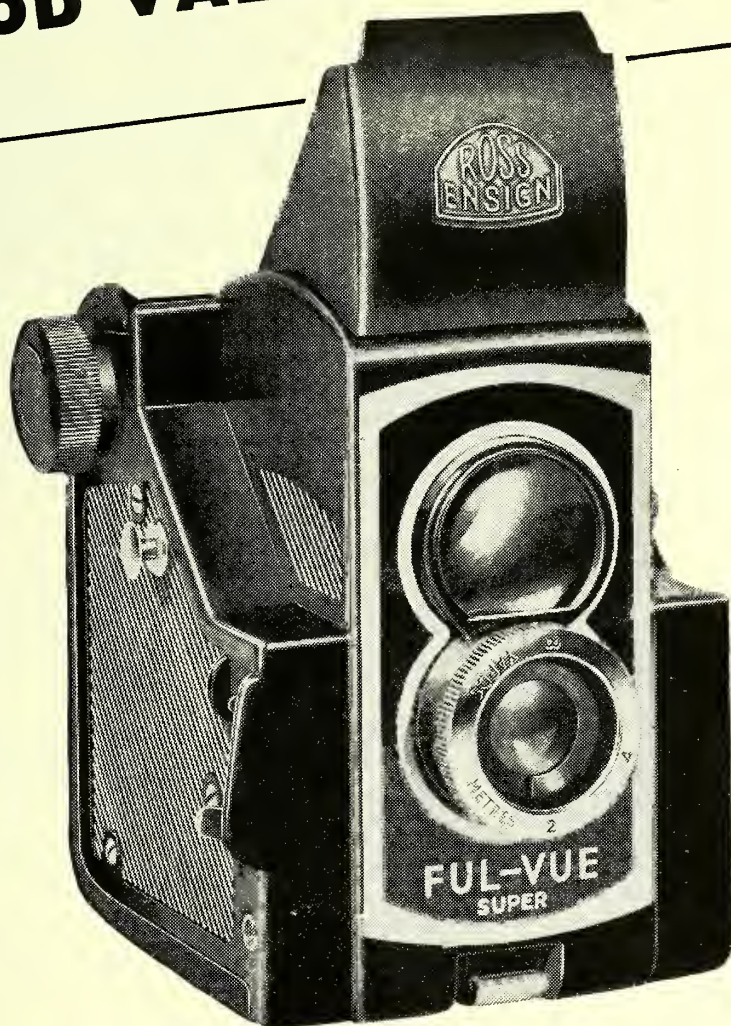
FISHERGATE, YORK. Tel. YORK 23021
ALSO AT: 105 HATTON GARDEN, LONDON, E.C.1.
Tel. HOLBORN 2146

● Prompt delivery from stock

● Packed in easily handled cartons

WHOLESALE ONLY

GOOD VALUE and LOOKS IT!



Every busy Chemist is interested in a Camera that will sell itself. The popular Ful-Vue demands no expert knowledge to sell, involves no large capital outlay and ensures the greatest possible turnover in every district.

Probably more Ful-Vues reach the public over the Chemist's counter than through any other retail outlet, proving that in price and popular appeal the Ful-Vue is absolutely right for the snapshot market. The Ful-Vue is a Camera that sells on its looks as well as its performance, it is good value and looks it.

COLOURED FUL-VUES in RED and GREY are also available.

RETAIL PRICE 62/7

EVER-READY CASE 13/2

FLASH UNIT 25/-



ROSS ENSIGN LTD., CLAPHAM COMMON NORTH SIDE, S.W.4

Room for a few more....

Bolex, the world's finest cine camera, is fully represented in many districts but there is still room for a few more dealers in some parts of the British Isles.

If you already run a good photographic counter—or plan to enjoy the extra profits to be derived from such a department, you have probably considered running Bolex Swiss precision cine cameras as your main cine line.

Nationally advertised in *Picture Post*, *Illustrated*, *Reader's Digest*, *Punch*, and a dozen other publications, Bolex cine cameras bear the most respected name in amateur cine circles. Not the cheapest, but certainly not the most expensive either, Bolex cine cameras, after 25 years on the British market, are selling in increasing numbers every year.

Apply for particulars of generous Bolex trade terms now, in time to reap the benefit of the summer selling season which will soon be with us.



BOLEX

The SWISS PRECISION Cine Camera

Sole U.K. Wholesale Distributors, Cinex Ltd., 9-10 North Audley Street, London, W.1 Phone: Cressvener 6546



Bislumina

BRAND BISMUTH ALUMINATE

Bislumina is a Registered Trade Mark

can be obtained from the Sole Distributors in the U.K.

C. J. HEWLETT & SON LTD

King George's Avenue, Watford, Herts.

or through your usual wholesaler

Bismuth Aluminate $\text{Bi}_2(\text{Al}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$, a patented compound, is manufactured

under licence in the United Kingdom by

MINING & CHEMICAL PRODUCTS LIMITED, LONDON



News of an expanding market that should be of interest to every chemist

"Quite frankly, I have been amazed at the sales of Color-Glo"

*says Mr. G. S. Laurensen,
Managing Director of Golden Ltd.,
distributors of L'Oreal Products.*

The success of Color-Glo and the great volume of sales which has accompanied its launching, make it clear that here at last is a hair colouring product that is changing the attitude of British women towards hair colouring. Such a change of attitude will inevitably bring with it a great increase in the chemist's turnover and profit.

Why has Color-Glo been so successful?

Firstly I would say, because it is so simple and safe to use.

Secondly because it offers "controlled colour"—there's no risk of extreme results.

Thirdly, it gives a *natural* colour—a richness of colour that blends with and enhances a woman's own natural colouring.

Fourthly, because it gives a *lasting* colour that lasts through 6 to 8 shampoos.

Finally, Color-Glo is heavily advertised (in full colour whenever possible) in the mass circulation women's weeklies. This is directed at the woman who has never dared to beautify her hair with colour before—because no product so easy to use as Color-Glo has ever been offered before.

Color-Glo will go on widening the market for hair colouring—and go on breaking sales records. All chemists will be well advised to keep an eye on their Color-Glo stocks. We know that when a woman makes

up her mind to try a particular Color-Glo shade, she will go a long way to find it. When Color-Glo enthusiasts come into your shop, let them see Color-Glo on your counter.

Color-Glo is made in six shades:

MOLTEN GOLD · GOLDEN CHESTNUT · AUBURN
DEEP AUBURN · HONEY BROWN · DOVE GREY

Retail price 4/6d per bottle
Trade price 22/6d per dozen plus 90% tax



GOLDEN LIMITED, 7 GROSVENOR STREET W.I. HYD. 1671/6

Trade enquiries for the Republic of Ireland should be addressed to : LILMAR PHARMACEUTICALS LTD., SANTRY, DUBLIN

Another CHANDAU PROFIT MAKER

CHANDAU SOFT CURL SET

NOT A LACQUER

Here is the newest CHANDAU line assured of immediate popularity. Easy to stock and sell at a price within reach of all. Be sure you are stocked to meet the demand. Containers are available in 3 pastel shades and packed 6 to self-selling Counter Display carton. Container Showcard in every Display box.

SPECIAL BONUS

To ensure early stocking to meet the demand created by National Advertising and the 1,000 Free Gift Competition a special Bonus will be given for all orders despatched by 31st July 1956.

1 Free container with 1 doz. order

3 " " " 2 " "

6 " " " 3 " "

NATIONAL ADVERTISING

CHANDAU Soft Curl Set will be nationally advertised. First announcements will appear at the end of July. Be ready to meet the demand!

FREE GIFT COMPETITION

1,000 Gifts including 100 Hair Dryers will be given away to successful competitors in a simple 'Hair Style of the Month' Public Competition. Entry forms with every Display box.

PRICES: Retail 5/6 per Spray container. Trade 26/8 per doz. plus P/Tax.

Order Today

T. L. BENTON & CO. LTD., 186 Seven Sisters Road, London, N.7.

Telephone: ARChway 2674/5



TWINKLE GLINTS

for
Decoration

IN ALL COLOURS

Retail
1/11½ 3/11 7/3
INC. P.T.

From your wholesaler or direct

**H. D. G.
(Pharmaceuticals)
LIMITED**

HUNGAR HOUSE,
GREAT GEORGE ST., LEEDS, 1



REVOLVING STAND FOR SUNGLASSES

CAPACITY 60 SUNGLASSES: 24" high x 12" wide app.

ONLY 50/- FROM

SOUTH COAST OPTICAL

OLD CHRISTCHURCH ROAD, BOURNEMOUTH

IS IT A POISON?

For quick and easy reference use the
'C & D' POISONS GUIDE, Vol. 1

PRICE £1, POSTAGE 6d. EXTRA

THE CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2

GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

BEECHAM'S POWDERS NEW FAMILY PACKS

.. to meet
popular demand

The
new 4/-
family
pack



**MORE PROFIT
for less trouble!**

● The 1/9d. pack has broken all records. Trade reports and public comment demand larger family packs—now we introduce the new 4/- nineteen powder pack and the 4/- bottle of Beecham's Powders in tablet form.

● Your customers will be told about these new sizes in the press and on Radio Luxembourg. Stock up early, have a quicker turnover, make more profit for less trouble!



The new
4/-
tablet
size

TERMS

Supplies of the new family packs can be bought at 30/3 per doz. less usual discounts for prompt cash and display.

orders and enquiries to:

**BEECHAM PHARMACEUTICALS
LIMITED** St. Helens, Lancs.

Form E.C.10

Mr. Mrs. Miss } *Rawlinson*
(name and initials of patient)

Age, if under fourteen years *The Cedars*

Address *Horley Crescent*

Chemist's Stamp

R Elastic Stockings
2-way stretch

In a case like
this.... dispense
BURSON

For use only by
Pricing Office

Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

DISPENSE BURSON whenever
2-way stretch elastic or
Lastex hosiery is prescribed

AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS:—

- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
- Individual Measurement and Order Forms.
- Instructions for mending and washing.
- Illustrated leaflets for your customers.

BURSON

**TWO-WAY STRETCH HOSIERY
IS MADE FROM LASTEX YARN**

Sole Distributors:— FASSETT & JOHNSON LTD.,
86, CLERKENWELL ROAD, LONDON, E.C.1

BEST-SELLERS
ALL
the year round!

"Sun-tang"

'NIAGARA'
Blackcurrant Syrup

Sun-tang—made from whole oranges, sugar and glucose—contains Vitamin C, essential to good health.

Niagara—made from Blackcurrant juice and sugar-rich in Vitamin C—the perfect drink for young and old alike.

Increased advertising means more customers for you—more customers asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks NOW and make sure of year-round profits. Eye-catching display material, certain to boost sales, can be obtained from your usual wholesaler or direct from

BARNETT & FOSTER LTD.
QUEENSBIDGE ROAD, LONDON, E.8. Tel.: CLIssold 7132

Don't
TAKE
RISKS

When
you
buy
Print

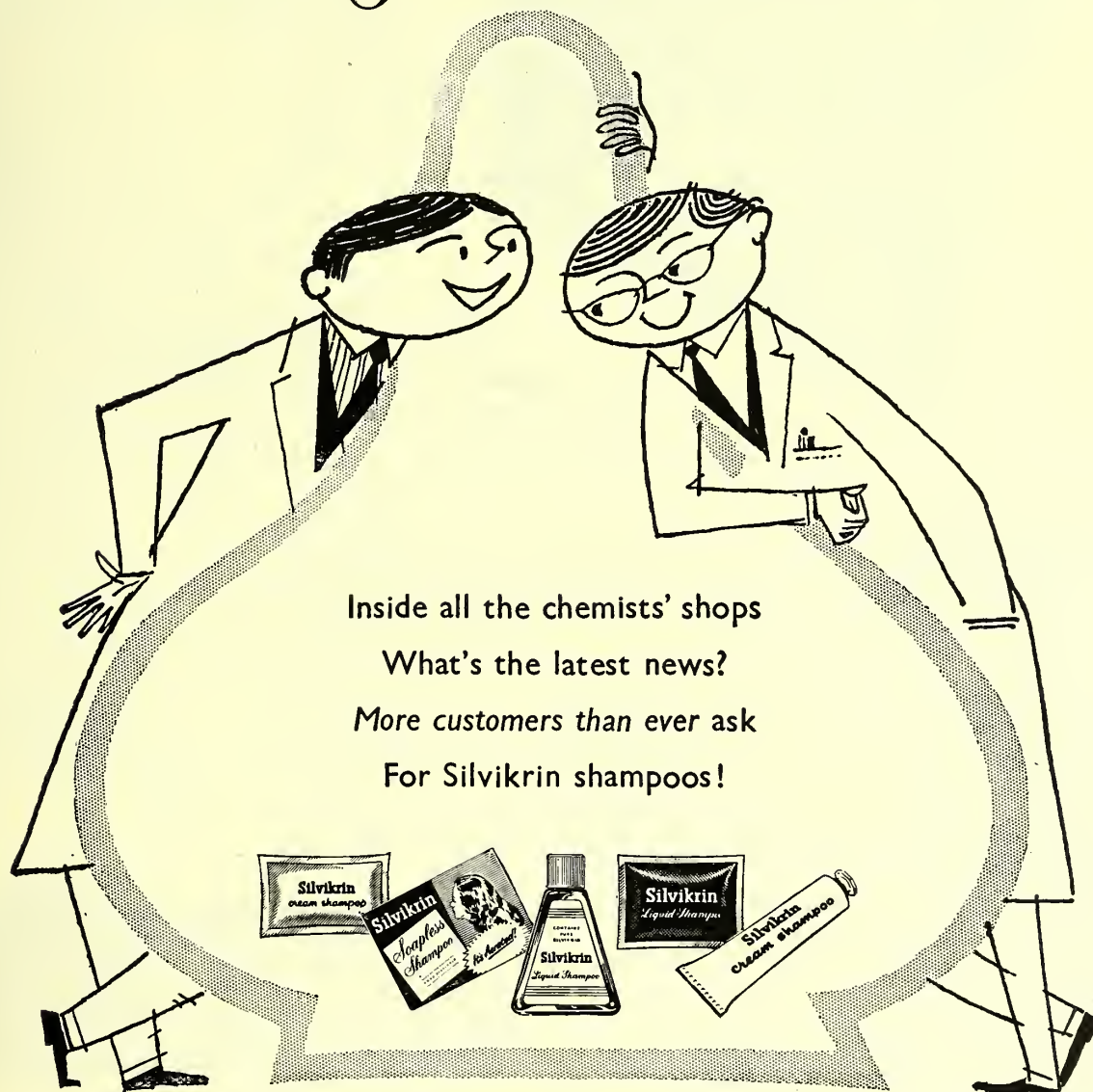


Just address
your orders
and
enquiries to:

ALF HARRISON & SONS LTD.
Carton, Medical and Advertising Printers
BURLEY ROAD, LEEDS, 4

Telephone: Leeds 52668/9
Telegrams: "Ideas," Leeds, 4

Calling all Chemists!



Silvikrin shampoos

SELL MORE IN CHEMISTS THAN ANY OTHER SHAMPOO!



TRINITRINE Caféinée (Dubois)

SODIUM GENTISATE (Gabail)

SYRUP PERTUSSIS (Gabail)

TULLE GRAS (Lumière)

FLEET ENEMA

ENCYNEX

ELIXIR GABAIL

THIONAIODINE

MYCOLACTINE

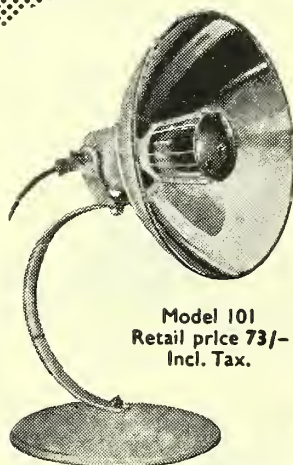
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AFDIGYL

Details of these and other ethical
products may be obtained from:

THE ANGLO-FRENCH DRUG CO. LTD.

11-12 GUILFORD STREET, LONDON, W.C.1 Phone Holborn 6011



Model 101
Retail price 73/-
Incl. Tax.

the ideal
treatment
for all
muscular
pains . . .

RADIARAY INFRA
RED
and Radiant Heat Lamps

for value · quality · reliability

Illustrated brochure available from Dept. 7, **Hinders Limited** 174/192 Estcourt Rd., London, S.W.6 Est. 1919

SMALLER SIZE TRESS



Heavy advertising in
'WOMAN'
'WOMAN'S OWN'
'DAILY MIRROR' etc.
will reach
15,000,000 WOMEN
—widening the market for this
fast-selling wave-set

TRESS, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

TRADE TERMS

SMALL SIZE
Price 8/10d
per dozen bottles
plus 90% tax
selling at 1/9d per bottle.
LARGE SIZE
Price 14/5d
per dozen bottles
plus 90% tax
selling at 2/10½d per bottle

GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON, W.1. Hyde Park 1671

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals, Ltd., Santry, Dublin.

You'll be busy with

BRONTAN

REGD. TRADE MARK

SUN-TAN CREAM

THIS SUMMER



NON-GREASY BRONTAN tans fast and sells fast, and each tube will show YOU a healthy profit. Now's the time to order for your share of this brisk business which will be continual throughout the summer.

Trade Price 10/3 per dozen
(P. Tax 9/2 $\frac{3}{4}$)

Retail 2/1 $\frac{1}{2}$ per tube
(inc. Tax)

Bonus for display, 13 to the dozen on parcels of not less than 3 dozen

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE RD., S.E.26

*- the
recognised
house for
ETHICALS
in the North-East*

Trained staff always in attendance in Ethical
Department to advise on new preparations

**MAWSON & PROCTOR
PHARMACEUTICALS LTD**
LOW FRIAR LANE, NEWCASTLE-ON-TYNE, 1
Telephone: 29751 (8 lines)

HOME TRADE  EXPORT

BUCHU PAPAIN CALABAR BEANS

and all other Botanicals, Gums,
Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 6585 (4 lines)

Telegrams: "Ergotine, Stock, London"

NEW YORK • HAMBURG

MEDICATED SHAMPOO AND SCALP TREATMENT

Now Combs in

Shell Nylon

in the new Barnet
No 7 Cabinet



Once again Barnet are the first to introduce a new Sales winning cabinet with perfected SHELL NYLON combs at the usual top-value prices. Simulated Shell and Black are still the best sellers in small combs for both men and women.

LEFT: The new No. 7 dispenses four dozen 6" and 5" combs assorted Shell and Black retailing at 1/3d, 1/4½d and 1/6d in this neat cabinet that takes up only a few square inches of your counter.

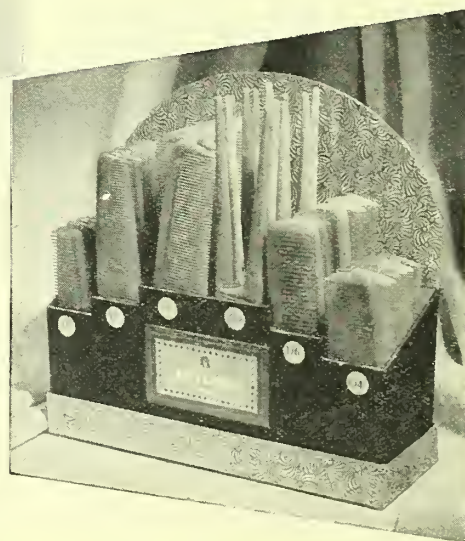
BELOW: The Barnet No. 5 Nylon Cabinet in colours. Here's just one other from the famous Barnet series of quick-sale cabinets. The No. 5 shows a full range of Nylon combs in lovely colours; pocket, dressing and tail combs; retailing from 1/3d to 2/- each.



Ask your Wholesaler for full details about

Barnet Comb Cabinets

Manufactured by (wholesale only)
E. R. HOLLOWAY LTD.,
Bessemer Road, Welwyn Garden City, Herts.
Phone: Welwyn Garden 4444



A LITTLE BIT OF COUNTER SELLS A LOT OF BARNET COMBS

The CHEMIST AND DRUGGIST

CLASSIFIED ADVERTISEMENTS

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE & COMPANY

184 STRAND, W.C.2

Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

PREMISES FOR SALE

17/6 for 36 words (min.) then 4d. per word
Box 2/-

FIFE, Chemist-Newsagent business for sale in agricultural area East Fife (includes 5-apartment house). Property, fittings, stock, all in good condition. Small garden. Good reasons for disposal. Turnover £4,500 to £5,000. Kodak, Yardley agencies, Low overheads. Would suit couple both working. Box C 3853.

PREMISES TO LET

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

SHOP WITH LIVING ACCOMMODATION, busy main thoroughfare, nr London Bridge. Newly decorated, £250 p.a. Meller, Flat 9, 140 Park Lane, W.1. Mayfair 9651. C 3830

BUSINESSES FOR DISPOSAL

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Box 2/-

LONDON WHOLESALE BUSINESS for sale. Profit £40,000 increasing; total purchase price £100,000. Box C 5423.

NR. HIGH WYCOMBE, in area rapidly expanding with new estates, with no opposition. Chemist shop with delightful luxurious bungalow, 1 rec., 2 beds., tiled kitchen and bathroom. Price £4,500, s.a.v., or with smaller furnished bungalow £3,250. Full details, Wilson, Mead & Co., F.A.I., 1/3 High Street, Maidenhead. Tel.: Maidenhead 111 and 2983. C 3832

SALE OWING TO DEATH, Chemists' business with good living accommodation. Established over 70 years, same hands last 29. £2,000 for freehold, fittings, goodwill, etc., as going concern. S.a.v. Full particulars, E. N. Selby & Co., 61 London Road, Southend-on-Sea. C 3858

SOUTHPORT. Situated in residential area, nicely fitted pharmacy with excellent living accommodation above. Takings average £4,500 showing about £950 net profit p.a. Probably more this year. N.H.S. scripts average 750 per month. Price of business £1,400, plus stock approximately £1,000. Freehold property £2,750. Box C 3854.

APPOINTMENTS

18/- per half inch (min.) and pro rata.
Box 2/-

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Locum Pharmacist

required. New and well-equipped department. Whitley rate of pay. Apply to Hospital Secretary, giving age and experience and two referees (Phone: Barnet 7421). C 5410

CENTRAL MIDDLESEX HOSPITAL,

PARK ROYAL, N.W.10

Deputy Chief Pharmacist (Category V)

Applications are invited for this position. Whitley Council conditions of service. Salary £675 x £30 (7)—£885 x £40 (1)—£925 plus £25 for higher qualification plus London Weighting. Applications stating age, qualifications and experience with the names of two referees to Group Secretary, Central Middlesex Group H.M.C., Park Royal, N.W.10, as soon as possible. C 5391

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £575-£775 plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary. C 266

ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist

required for duties within the Group. Salary scale £575-£775 per annum

Part-time Pharmacist

required for five sessions per week, for duties within the Group. Salary 31/- per session of four hours.

Apply to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, giving the names and addresses of two referees. C 5416

GENERAL HOSPITAL, NOTTINGHAM

Locum Pharmacist

required for a period of four months, commencing as soon as possible. Salary sixteen guineas weekly. Apply giving full particulars to Group Secretary, General Hospital, Nottingham. C 268

HIGHBURY HOSPITAL, NOTTINGHAM

Pharmacist

required. Whitley Council salary and conditions of service. Application in writing to the Group Secretary, General Hospital, Nottingham. C 273

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General Hospital, 510 Beds)

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in a department which is being enlarged with consequent increase in the number of staff. Salary (plus London Weighting) in accordance with Whitley Council scale. Applications, stating age, experience, qualifications and names of two referees to the Secretary. C 256

LAMBETH HOSPITAL

Locum Pharmacist

required at Lambeth Hospital, Brook Drive, S.E.11, for indefinite period. Salary 15 gns. per week or according to experience. Phone: Chief Pharmacist, Rel. 3804. C 249

MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5

Locum Pharmacist

required at the above hospital as soon as possible. Salary 16 guineas per week. Apply to K. J. Johnson, House Governor and Secretary, Maudsley Hospital, Denmark Hill, S.E.5. C 5409

ROYAL FREE HOSPITAL GROUP, NORTH-WESTERN HOSPITAL, LAWN ROAD, N.W.3

Assistant-in-Dispensing

Applications are invited for the post of assistant-in-dispensing. Salary in accordance with Whitley Council Scale. Applications with names of two referees, should be addressed to the Group Chief Pharmacist Royal Free Hospital, Gray's Inn Road, W.C.1. C 5373

MID HERTS GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Tenens Pharmacist

required from beginning of August or, failing this, from August 20 to 25. Salary £15 15s. per week. Applications to Chief Pharmacist, St. Albans City Hospital, Normandy Road, St. Albans. C 5425

ROYAL FREE HOSPITAL, GRAY'S INN ROAD, W.C.1

Assistant-in-Dispensing

Applications are invited for the post of assistant-in-dispensing. Salary in accordance with Whitley Council Scale. Applications, with names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 5374

ROYAL FREE HOSPITAL, GRAY'S INN ROAD, W.C.1

Pharmacist

Applications are invited for the post of pharmacist at this hospital. Salary in accordance with Whitley Council Scale. Applications, with the names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 5375

STAFFORDSHIRE GENERAL INFIRMARY, STAFFORD

Locum Chief Pharmacist

required. Any two-week period August or September. Whitley Council rate of pay. Apply to Group Secretary, Stafford H.M.C., 13 Foregate Street, Stafford. C 5424

STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required at Ashford Hospital, Ashford, Middlesex, on salary scale £500-£725 per annum, plus London Weighting. Post now vacant. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 262

STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required at Ashford Hospital, Ashford, Middlesex. Salary 16 gns. per week. Applications, stating age, qualifications and experience with copies of up to three recent testimonials to Medical Director of Hospital immediately. C 260

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (General—384 Beds)

(a) Senior Pharmacist (Category III)

(b) Pharmacist

Applications are invited immediately for the post of Senior Pharmacist (Category III) at the above Hospital within easy reach of Central London.

Pharmacist also required. This is a newly created post to meet the needs of a busy and expanding department, and would be suitable for a newly qualified person. Whitley Council salaries and conditions. Applications stating age and experience, to the Chief Pharmacist. C 5426

SALES MANAGER

British Schering Limited have a vacancy for a Home Sales Manager in the Pharmaceutical Division. Applicants aged 30-40 years should have had at least four years' experience of sales management in the industry, and preferably have spent some time as medical representatives.

They should in particular be conversant with the drafting and implementation of Sales promotional programmes in their broadest aspects. The post provides full scope for initiative and advancement and an adequate incentive will be provided. Candidates will be eligible for the Company's superannuation scheme. The salary will be dependent on the experience and qualifications of the successful applicant.

Applications should be addressed, in confidence, to the Sales Director, British Schering Limited, 229/231 Kensington High Street, London, W.8. C 5390

EVANS MEDICAL SUPPLIES LTD.**Publicity Manager**

A vacancy will arise in the Evans Medical organisation later this year for the post of Publicity Manager. The position is a senior one, attractive in scope and opportunity. It carries with it executive responsibility for the Company's public relations as well as for the management of its advertising and the creation of printed technical publicity material (with medical co-operation) for distribution to the medical and pharmaceutical professions.

Applications will be considered from those who have had adequate previous experience in the field of advertising and public relations. A pharmaceutical qualification is desirable but not essential. Superannuation scheme. Applications, which will be treated in strict confidence, should be addressed to the Managing Director, Evans Medical Supplies Ltd., Speke, Liverpool, 19. C 5402

Appointments—Continued**ST. MARGARET'S HOSPITAL,
EPPING
Pharmacist**

required at the above hospital. Salary and conditions of service in accordance with those laid down by the Pharmaceutical Whitley Council. Apply giving details to Superintendent of hospital. C 5400

**ST. NICHOLAS HOSPITAL,
GOSFORTH,
NEWCASTLE UPON TYNE, 3
Chief Pharmacist**

required at the above hospital. Salary, in the scale £675 rising to £925, and conditions of service in accordance with the agreements of the Pharmaceutical Whitley Council for the Health Services. Applications, stating age, details of experience, and names and addresses of three referees to be addressed to the Group Secretary. C 5398

**ST. PETER'S HOSPITAL,
CHERTSEY, SURREY
Pharmacist**

required. Salary £500—£700 p.a. according to experience. Whitley Council conditions. Accommodation available for single woman at £135 p.a. Applications stating age and experience with names of two referees to Hospital Secretary. C 5417

**THE LONDON HOSPITAL, E.1
Senior Pharmacist**

Experienced pharmacist required for this post in Category V Teaching Hospital. Age, qualifications and experience to Secretary, The London Hospital, Whitechapel, E.1. C 272

**THE UNITED BIRMINGHAM
HOSPITALS,
THE QUEEN ELIZABETH
HOSPITAL,
EDGBASTON, BIRMINGHAM, 15
Pharmacist**

Applications are invited from pharmacists for a resident post providing a unique introduction to hospital pharmacy. Encouragement is given to useful research. Salary in accordance with Whitley Council Scales, less deduction for full board residence. Applications giving names of two referees to the Chief Pharmacist. C 5376

SITUATIONS VACANT

12/- for 36 words (min.) then 4d. per word.
Box 2/-

RETAIL (HOME)

BANSTEAD, SURREY. Lady assistant required for counter, display, stock, etc. Staff of four. Most agencies. Good pay. Holiday this year. Apply stating age, experience, etc., to Skidmore, Chemist, 30 High Street, Banstead, Phone Burgh Heath 7224 (after 7.0 p.m. or Sunday Burgh Heath 7024). C 3821

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of pharmacist (male or female) as branch manager, 44-hour week; minimum annual salary £840, bonus increments for sales increases. Rota duties are additional payments. Applications with usual particulars to Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 263

HOLBORN, W.C.1. Young ladies required as sales assistants in busy modern pharmacy of City-West End type. Permanent positions with Saturday half-day. Please telephone for an appointment or write to A. R. Cross, Ltd., 476 Hertford Road, Enfield, telephone Howard 1723 or 2916. C 5360

LEEDS. Vacancy occurs for a pharmacist to manage shop in suburb. Salary and rota fees in excess of £20 a week. Modern two-bedroom, semi, available. Four other staff. Applicants must have had previous managerial experience and not be afraid of hard work. Apply Box C 3835.

LIVERPOOL. Pharmacist required to manage pharmacy on housing estate. Permanent position, salary £1,040 per annum for 44-hour week. Full staff, which includes a dispensing assistant. Apply to Metcalfe & Co. (L'pool), Ltd., 596 Prescott Road, Old Swan, Liverpool, 13. C 3783

LONDON, W.1. An interesting and varied job embracing retail, wholesale and surgical instruments and appliances. Suit young man (National Service completed) with retail experience (not necessarily dispensing) who wishes to leave a dead-end job for one with much wider prospects. Only applications giving full details of salary, experience, etc., considered. Write suggesting suitable time for interview to Box C 3824.

MAIDA VALE. Unqualified male assistant required in high-class family business, from July 30 or earlier. No Sunday, rota or half-day duties. Please apply to R. H. Parker, 35 Clifton Road, W.9. (Cunningham 6485.) C 3855

MANAGER OR MANAGERESS. Locum or permanent, required, would suit newly qualified pharmacist. Hours 9 to 6 p.m. Half-day Thursday; no Sunday rota duties. Very good supporting assistant. Apply by letter or phone for interview. Leslie Martyn, Ltd., 34 Dalston Lane, London, E.8. C 3793

MIDLAND AREA. Senior stocktaker required. Must have had several years' experience in pharmacy. Substantial wages. All expenses paid. Permanency. Apply Box C 259.

NORTH LONDON. Assistant required chiefly for dispensing for business situated in Tottenham. Newly equipped dispensary. Hours 9 a.m.—6 p.m. Thursday 1 p.m. Salary according to age and experience. Three weeks' holiday a year. Permanent position. Please apply to Box C 5413.

PHARMACIST (male or female) for shop. New housing estate. Modern 2-bedroom flat available. Full particulars of experience and salary (profit sharing or partnership would be entertained). Milo Turner, Chemist, Tamworth. C 3848

SOUTHALL. Pharmacist required with interest in photography to manage a good-class establishment in this area. Splendid opportunity for promotion with good supporting staff and development is assured. Flat accommodation can be provided if desired. Apply with full details stating when available for interview to Box C 3844.

TWO PHARMACISTS required for the position of branch manager, male or female. Easy hours, Saturday half-day, and a modern flat will be available August/September. Applications in writing stating age, experience and wage required, together with copies of recent testimonials to the General Manager, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street, Heckmondwike, P.O. Box 16. Endorse envelope "Chemist" in top left-hand corner. C 3809

VACANCY occurs for an experienced junior male assistant. Busy dispensing and general retail routine. No Sunday duty: holidays honoured this year. James Tomlinson, M.P.S., 63 Oxford Road, Burnley. C 3795

VACANCY for a pharmacist. Excellent prospects. Apply, J. T. Davies (Chemists), Ltd., 13/14 Walter Road, Swansea. C 3816

WALES, mainly south. Competent stocktaker required with personality. Apply Orridge & Co., 184 Strand, London, W.C.2. C 255

WANTED, PHARMACIST. Male or female, as superintendent. Wages £16 per week. Good hours and conditions. No Sunday work. Private house available rent free. Full particulars on application to the Garndiffaith & Varteg Co-operative Society, Ltd. C 3856

WOODFORD. Pharmacist of proved ability required for attractive and modern shop with good dispensing connection. There is an excellent opportunity for a substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3843.

LOCUMS WANTED

LOCUM TENENS PHARMACISTS are required for an extended tour of duties in the London and Suburban districts. Permanency at conclusion of tour if desired. Hours 9 a.m. to 6 p.m. Paid holiday. Salary and expenses basis. Applications to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 3845

WHOLESALE

ALLEN & HANBURYS, LTD., Bethnal Green, E.2, invite applications from pharmacists between 26-36 years of age, for positions as representatives in North-east and South-west Scotland. Full training given in London. Salary, expenses, car provided, pension scheme. Apply in writing giving details of age, qualifications, and experience to Personnel Manager. C 5403

ADMINISTRATIVE POST. Young man, intelligence and initiative, not afraid responsibility, required by small rapidly expanding manufacturing chemists N.W., London. Scope for right applicant prepared identify himself with our interests. Box C 5401.

ALLIED LABORATORIES, LTD.

Medical representatives required to develop existing connection in areas:—

(1) East London.

(2) Essex.

(3) Herts and Beds.

Pharmaceutical qualification not essential but sound technical background and local residence necessary. No age limit. Remuneration by salary, expenses and commission, the positions being permanent and pensionable. Give full details in confidence to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, W.1. C 5352

A MANUFACTURING CHEMIST with nationally advertised best sellers require reliable representative to call on chemists, co-ops, etc., Kent, Surrey and South London. Car provided and best working conditions. Reply indicating salary expected and present employment in confidence to: Sales Manager, Box C 3860.

LLOYD-HAMOL LTD.,

require experienced Medical Representatives for Yorkshire (Leeds), West Lancashire (Liverpool), The Midlands (Birmingham), South-west England (Bristol), North-east England (Newcastle), and Scotland (Glasgow), to join a training course to be held in **SEPTEMBER**. The positions offer the opportunity of joining an expanding British-controlled Company in the early stages of its development. The Company's products, the results of Swiss research, are unique and new products marketed will constitute important advances on existing therapies. A good salary will be paid and there is a bonus scheme; a Company car will be provided. Apply in writing to Lloyd-Hamol Ltd., Trafalgar House, 11 Waterloo Place, London, S.W.1. C 5418

C. L. BENCARD LTD.

invite application for representatives from experienced men for Edinburgh and Southern Scotland, which has been regularly worked.

A car and full expenses are provided and there are bonus and pension schemes in operation.

Apply, in confidence, giving full details of experience, to the Sales Manager, C. L. Bencard, Ltd., Park Royal, London, N.W.10.

C 5406

Situations Vacant—Continued

APPLICATIONS ARE INVITED for the appointment of Departmental Head of a pharmaceutical manufacturing unit covering the preparation of tablets, ointments and sterile products. Applicants should have had a sound practical experience in tablet manufacture. A knowledge of asepsis and parenteral products preparation would be an advantage, but is not essential. This vacancy offers an opportunity to a young pharmacist to assume managerial responsibility for an expanding pharmaceutical department covering a variety of manufacturing sections. The appointment is tenable at South Wales in the first instance, but the applicant must be prepared to transfer to the Company's new plant in Southern England at a later date.

Applications giving full details of past experience and responsibilities to Works Manager, Lederle Laboratories Division, Cyanamid Products, Ltd., Hirwaun Industrial Estate, nr. Aberdare, Glamorgan. C 5420

A REPUTABLE FIRM manufacturing proprietary lines, packed goods and tablets, requires a sales representative to cover the counties of Essex, Bucks, Beds, Hunts, Cambridge, Norfolk and Suffolk. Existing contacts and trade experience in the areas advantageous. Salary and excellent commission, pension scheme. Car provided and expenses paid. Write Box C 5407.

A LABORATORY AND DEVELOPMENT CHEMIST

Age 25 to 30—B.Sc.(Pharm.) or Ph.C.

is required by a well-established firm of manufacturing chemists marketing pharmaceutical products, in Lancashire. The position is attractive and offers excellent scope for advancement to a man who is both able and willing to contribute his share to the efforts of a well-integrated team operating a progressive company policy and who know of this advertisement. Applications, stating age, relevant personal information and full details of experience should be addressed to "Managing Director," Box C 5408.

CHEMIST, 21-40, male or female, with B.Sc., or A.R.I.C., preferably with industrial experience, for analytical work in pharmaceutical laboratory. 5-day week. Staff canteen. Non-contributory pension scheme. Apply in writing to Personnel Manager, John Wyeth & Bro., Ltd., 12 Chancery Street, W.C.1. C 5415

H. E. DANIEL, LTD., St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties. Experience desirable. Salary, commission, superannuation and car provided. Apply in confidence, with full details to the Managing Director. C 261

FOR A NEWLY CREATED POST, a pharmacist is required aged 30/40. The post is concerned with the development of new pharmaceutical and allied products, and applicants should preferably have had experience in this field. Responsibilities would cover development, packaging, customer contact and liaison between sales and factory. Replies giving full details, education, qualifications, experience and age to Product Director, Ethicon Limited, Bankhead Avenue, Edinburgh, 11. C 5366

EXPERIENCED rotary tablet machine operator required. Apply in writing to Pharmacist, Sandoz Products, Ltd., North Circular Road, Stonebridge Park, London, N.W.10. C 3839

A career in pharmaceutical journalism awaits a young pharmacist up-to-date on present developments and keen to keep abreast of new ones. Must be good at English, quick in the uptake, and interested in people and affairs. Apply to the Editor, THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2. C 5304

FIRST CLASS REPRESENTATIVES required by firm of repute to carry nationally advertised range of hair preparations. Several territories vacant. Applicants should give full details of territory worked, firms represented, length of service with each, and average remuneration they earned during the last five years. Strictest confidence will be observed. Our staff is aware of this advertisement. Box C 5371.

C. J. HEWLETT & SON, LTD., require pharmacist for the Watford factory to take control of the analytical and bacteriological laboratories. Previous industrial experience essential. Five-day week. Pension scheme. Apply in writing to the Technical Director, C. J. Hewlett & Son, Ltd., King George's Avenue, Watford. C 5385

JOHN BELL, HILLS & LUCAS, LTD., have a vacancy for a young pharmacist or qualified chemist with analytical experience, capable of assuming control of analytical laboratory. Five-day week, pension scheme and life insurance. Write stating age, qualifications and personal details, to Managing Director, Oxford Works, Worsley Bridge Road, S.E.26. C 5414

LEICESTER—NORTHAMPTON—BEDFORD—HERTFORD

Thornton & Ross, Ltd., Linthwaite Laboratories, Huddersfield, require for the Leicester—Northampton—Bedford—Hertford districts a representative. Applicants should have a sound pharmaceutical background with a first-class sales record. Remuneration is paid by salary and commission, together with travelling expenses. A car is provided and maintained by the company. Applicants should give details of age, education, and experience, and should state whether car driver. C 3859

MANUFACTURERS of well-known toilet preparations, changing their sales policy, wish to appoint representatives in all districts to call on chemists and stores, on commission basis and car allowance. Lines are well introduced all over the country and sales are supported by intensive advertising. Gentlemen with car and good connections please state territory covered and lines carried. Box C 3842.

MEDICAL REPRESENTATIVE required by well-known ethical house to take over established territory comprising Surrey, Sussex and part of Hampshire. Brighton resident preferred. Previous experience of this work desirable but not essential. Good knowledge of pharmacy and car ownership necessary. Commensurate remuneration with pension and life assurance to successful applicant. Full details, in confidence, to Box C 5382.

MANUFACTURING CHEMISTS in Midlands require qualified chemist with manufacturing and analytical experience, progressive position. Full particulars stating age, qualifications, experience and salary required to Box C 3840.

MANAGING DIRECTOR OR GENERAL MANAGER

Pharmaceutical Chemist with very successful record building ethical and popular branded line business including research, development, production, marketing and general organisation, having recently severed connection under circumstances of mutual respect and regret with important public company group after having held Managing Directorship of major companies in that group, now seeks further opportunity of utilising ability, experience and initiative. Box C 3846.

MEDICAL REPRESENTATIVE: An opportunity occurs for a keen and competent person to join a progressive ethical house. Pharmaceutical qualification and experience in medical detailing an advantage. Advertiser's staff know of this appointment. Applications, stating age, experience, etc., to Sales Manager, Box C 5421.

MEDICAL REPRESENTATIVE. A leading pharmaceutical company is seeking applicants for a position as medical representative in South London. Candidates should have a pharmaceutical or scientific background. A position of greater responsibility is vacant at present time and candidates should be sufficiently ambitious to qualify for promotion. Substantial salary and full expenses. Car provided. Contributory pension scheme. Applications, which will be treated in the strictest confidence, should be addressed to: The Sales Manager, Upjohn of England, Ltd., 4 Aldford Street, Park Lane, W.1. C 5427

MEDICAL REPRESENTATIVES GENATOSAN, LIMITED,

a member of the Fison Group, require Medical Representatives to cover general practitioners, hospital medical officers, etc., for these territories:—

- A territory based on Sheffield, comprising the Southern half of the East and West Ridings of Yorkshire.
- A territory based in the neighbourhood of Northampton, and covering the counties of Northamptonshire, Buckinghamshire, and Bedfordshire, and parts of Warwickshire and Hertfordshire.
- Part of South-west London, and the Eastern part of Surrey and Sussex.
- South-east London and Kent.

These posts are well remunerated with incentives and good prospects for keen and energetic men possessing the ability and desire to make a success of this specialised work. A successful applicant will have to reside on his territory.

Full personal details with a summary of attainments and experience, with a preference for territory, should be addressed to the Personnel Officer, Genatosan, Limited, 12 Derby Road, Loughborough, Leics. Please quote reference MR. C 5411

MEDICAL REPRESENTATIVES required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required, Box C 264.

NORTH LONDON. Unqualified young man required for assembling orders in wholesale drug department. Permanent position with Saturday half-day. Salary according to age and experience. Apply Box C 5412.

HOLBORN SUPPLIES, LTD.,**55 LEATHER LANE, E.C.1**

Phone: HOLborn 6689.

Chilton Home Hair Clipper; Evanol, Simplex, Inecto, Color Glo, Shadeine, Monil, L'oreal bleach, etc.; Flashmaster cameras; Remington, Sunbeam, Philishave Electric Shavers; Pifco Sunlamps, Infra-red, Massagers.

C 9719

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

Situations Vacant—Continued

PHARMACIST required by manufacturing chemists with factory in Scotland, for supervisory duties in production departments. This post would be of particular interest to a young pharmacist desirous of widening his interests, and would offer scope for advancement to the right man. Contributory pension scheme; five-day week; canteen. Mark reply "Pharmacist," giving full details of education and experience and addressed to Box C 5405.

PROCESS WORKER required for the manufacturing department of a London drug house. Five-day week, pension scheme, and canteen facilities. Write stating age, experience and salary required to Box C 5419.

REPRESENTATIVES required for old-established medical specialties manufacturers to cover hospitals and wholesalers in the following areas:—1, East and North Scotland, 2, Westmorland, Cumberland, Northumberland and Durham, 3, South-west England and South Wales. Remuneration by salary and expenses. Application stating age, experience and full details of past employers which will be treated in strictest confidence to Box C 3837.

SALES REPRESENTATIVE required for Northumberland, Durham, North and East Ridings of Yorks, by manufacturing and wholesale chemists. Salary, commission and expenses. Pension scheme. Car provided. Full details of experience, etc., to H.S.D., Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool. C 5422

TABLET COATER required by manufacturing chemists for modern and well-equipped department. Experienced in white and coloured coatings. Five-day week, Canteen facilities. Apply Technical Director, C. J. Hewlett & Son, Ltd., King George's Avenue, Watford. C 5386

THE BRITISH DRUG HOUSES, LTD.**Development Pharmacist**

Applications are invited from young Pharmacists (preferably male) or graduates in pharmacy, and from students about to graduate, who are interested in pursuing a creative occupation in industry. The work will be mainly concerned with the formulation and development of new pharmaceutical products. Pension scheme and five-day week.

Applications should be made in writing, giving details of age, qualifications, etc., to Ref. RES/HAC, The Personnel Manager, The British Drug Houses, Ltd., Graham Street, London, N.1. C 5366

THE BRITISH DRUG HOUSES, LTD. Unqualified male assistant. Age 22-28 required to combine the duties of laboratory steward and technical assistant. Preference will be given to applicants with previous experience in retail pharmacy or industry. Experience in medical store work during National Service would be an advantage. Please send details of education, experience and present wages to Senior Personnel Officer, Graham Street, London, N.1. C 5396

WORKS MANAGER CHEMIST required by Mathews & Wilson, Ltd., Tablet Manufacturers, Cole Street, London, S.E.1. Must be experienced in formulation and control and planning of pill and tablet production. Apply giving age and experience, and stating salary required to the Works Director. C 5380

WHOLESALE (OVERSEAS)

PHARMACISTS under 35 years of age required by British company for service in West Africa as branch managers. Interesting position with ample opportunities for advancement. Progressive salary. Low income-tax rates. Free furnished accommodation. Free medical services. Contributory pension fund with generous pension at age 55. Tours of about eighteen months with leave on full pay. Initial kit allowance. First-class passages by air or steamer provided. Reply giving full particulars to Box C 3857.

AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word
Box 2/-

AGENT. For display line, in great current demand by chemists. Good commission and well backed by manufacturers. Write please advising territory covered to: Box C 3833.

AGENTS throughout the United Kingdom required by company manufacturing a unique Dog-Candy product and accessory. The company's products are well established in the Pet-Food trade, but offer considerable scope to energetic agents calling on chemists. Write Box C 3757, stating territory covered, number of retail contacts, and time taken to cover area. Exclusive agencies will be considered.

TRAVELLER or sole distributor wanted for beauty preparations. Those with connections to retail chemists or wholesalers essential. No objection to other lines being carried. Good commission. Write full details to Box C 5372.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.
Box 1/-

RETAIL (HOME)

AVAILABLE for London and Home Counties, senior representative or area manager, 20 years' connection wholesale, retail chemists, stores, Co-ops, multiples, 1955 turnover £65,000 in competitive field. Sound reasons for change. Box C 3834.

WHOLESALE

YOUNG MAN (29), single, seeks position as representative. Conscientious, not afraid of work, 10 years' experience manufacturing and retail chemists, car driver, excellent references. Box C 3849.

AGENCIES WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

AGENT having long-established and sound connection with leading retail chemists, departmental stores and wholesale chemists in South and South-west Counties, seeks representation on commission with one or two manufacturers of repute. Box C 3850.

LANCASHIRE, CHESHIRE, I.O.M. Excellent, long-established connections. Wholesale, retail chemists, Co-operative Societies, departmental stores. Requires additional manufacturers' agency. Commission, part expense allowance. Box C 3838.

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

MANUFACTURING CHEMISTS invite inquiries for the manufacture, packing, etc., of private formulae preparations, liquids, powders, tablets. Dispatch facilities available with own printing department. Frank Macowal & Yanatas, Ltd., Wilshaw Street, London, S.E.14. Tel.: Tideway 3846-8. C 122

WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

CHEMISTS' SHOP FITTINGS. Wall cases, counter showcases, Shop 15 ft. x 13 ft. 6 in. (any distance). Milo Turner, Chemist, Tamworth, Staffs. Phone: 219. C 3852

LOOFAHS AND BATH BRUSHES. Supplies of various sized loofahs, loofah gloves and wooden back bath brushes are required continuously by a substantial organisation. Kindly send details, full descriptions and prices to Box C 3847. All replies will be acknowledged. **MEDICAL BOTTLES,** tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4, Mansion House 3951-2. C 178

WANTED. Genuine anatase and rutile titanium dioxide, 98/100 per cent., all origins. Box C 5404.

WANTED. Sodium silico fluoride 98/100 per cent. English, but other origins considered. Genuine anatase titanium dioxide 98/100 per cent., all origins. C 5399

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

100 BAYS of brand new adjustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. N. C. Brown, Ltd., Eagle Streetworks, Heywood, Lancs. C 5115

FOR SALE, 2 Bartlett 36 in. coating pans, and other confectionery manufacturing equipment. Zems, Limited, 720 Seven Sisters Road, N.15. Sta. 6658. C 3841

FOR SALE, 1 "Centrac" tube filling, closing and crimping machine, cost £65, as new, £25. 1 Lamson Paragon till, £15. 1 Dapag over-printer machine, £5. Box C 3831.

MODERN CHEMIST SHOPFITTINGS, drug ranges, wall cases and frameless sliding doors, display counters and showcases, all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters & Shop Front Builders, 14-16 Manchester Street, Liverpool. C 141

PEGBOARD PANELS, screens, and pictures. Pegboard fittings for all articles. Lists and prices from Wesper, Ltd., 23 Station Street, Sittingbourne, Kent. C 3826

THE SMALLEST ROOM needs Jumbo crepe toilet rolls, 33/- gross. Carnos fine balance sulphate toilet roll, 66/- gross. Free delivered. Sea journey extra. Send 1/- for sample rolls. Stock lists free on request. L. Frankenberg, Ltd., Manufacturers' Wholesale Distributors, 37 Houndsditch, London, E.C.3. C 269

PARTNERSHIPS

18/- per half inch (min.) and pro rata.
Box 2/-

ELDERLY GENTLEMAN, Hall Certificate, 18 years first-class dispensing, retail, 28 representative manufacturing chemists, anxious to obtain working partnership with pharmacist. Capital available, Box C 3851.

MISCELLANEOUS

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

THE DISPENSERS GUILD OF GREAT BRITAIN, 41 Connaught Square, London, W.2 (formerly The Guild of Dispensers), which aims at statutory recognition, invites new enquiries and reminds its members that annual subscriptions (10s. 6d.) are now due. Secretary, D. G. E. Bristowe, Rookery Road, Staines, Middlesex. C 3811



Out of proportion

Nervous tension, anorexia, insomnia and the like are the usual physical symptoms presented by patients who cannot cope with the stress of everyday life. They suffer from an exaggerated response to external stimuli and are distressingly "out of proportion" with their surroundings.

The newest tranquilizer, ATARAX is now being introduced to the medical profession for the treatment of these patients.

atarax is supplied in 10 mg. tablets in bottles of 20 and 100.

Prices	20's	100's
Wholesale	8/- + 2/5 P.T.	35/- + 10/6 P.T.
Retail	14/5 (incl. P.T.)	63/- (incl. P.T.)

**Pfizer**

PFIZER LTD · FOLKESTONE · KENT

The
CHEMIST AND DRUGGIST
JULY 14 1956

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Made by J. F. MACFARLAN & CO. LTD., by a process (patent applied for) which is the result of research in their own laboratories in Edinburgh.

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Sterile solutions equivalent to $\frac{1}{2}\%$, 1%, and 2% of LIGNOCAINE BASE either with or without Adrenaline.

In 20 c.c., 50 c.c., 250 c.c. and 500 c.c. rubber-capped containers, ready for immediate use.

Full particulars available on request.

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